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OPA Sets Stockpiles Sales Policy—Page 7

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 146 No. 6 | Schnell Publishing Company, Inc., Publishers | August 7, 1944

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Dextrins	50-54%
pH	5.2%

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STANDARD BRANDS INCORPORATED

595 Madison Avenue, New York 22, New York

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison ABC *Published by Schnell Publishing Co., Inc.*

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Alcohol Supply Probe To Be Resumed

OPD Washington Bureau

The senate subcommittee on farm crop utilization which, during the past two years has conducted extensive studies in the field of synthetic rubber and alcohol production, will resume its investigations shortly, Chairman Guy M. Gillette, of Iowa, said August 4, to inquire into the condition of the alcohol stockpile and prospective production, and also into reported contemplated changes in alcohol purchase price schedules.

Senator Gillette said that the expected drop in alcohol stockpiles to less than 40,000,000 gallons by September 1 would make the stocks 60,000,000 gallons below what had always been considered necessary for national safety. He said that his committee would consider the advisability of establishing a commission to study locations and prepare plants for construction of 50,000,000 gallons of new capacity from grain. He reported that WPB at present is composed of men overimpressed with claims that grain supplies are short, and their attitude probably would be to recommend new production facilities based on petroleum as the raw material. There is need for a commission with an unbiased judgment to pass on the problem, he said.

The investigation of contemplated changes in purchase price schedules is necessary, because information, according to Senator Gillett, indicates that "some of the men in charge of our policies, far from considering new facilities in grain-producing areas, are deliberately preparing to discriminate against the facilities already constructed at such points as Omaha, Kansas City, and Muscatine, Iowa, in a way that would in effect drive them out of the producing field."

Pan-American Drug Protection Code Studied

OPD Washington Bureau

A strong movement to bring about adoption of a uniform code "for the protection of the public against harmful drugs and adulterated foods" among all the American republics was reported under way August 3 by the Office of the Coordinator of Inter-American Affairs.

According to the CIAA, a resolution with this primary aim in view is to be submitted for the consideration of the Twelfth Pan American Health Conference, to be held in Caracas, Venezuela, next year. The resolution was first submitted and approved at the Fifth Pan American Conference of National Health Directors, held here last April.

Delegates to the health directors meeting representing all the republics of this hemisphere, made a detailed

—Continued on page 58

Haeussler New Chief Of Insect Pest Survey

OPD Washington Bureau

The Department of Agriculture has named Gilbert J. Haeussler chief of the Division of Insect Pest Survey and Information in the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration.

This division conducts insect pest surveys, and reports on insect conditions to help farmers and insecticide companies control serious crop pests. It also prepares information and publications on research, control and regulatory work in entomology and plant quarantine activities.

Since his appointment in the bureau July 10, 1925, Mr. Haeussler has been engaged chiefly in investigations of parasites of insect pests of fruit trees.

Mr. Hyslop, who is retiring voluntarily at the age of sixty, has been in charge of the Insect Pest Survey Service since its organization in 1920, and of the Division of Insect Pest Survey and Information since its creation in 1934.

Heads Haynes Stellite

E. E. LeVan has been elected president of the Haynes Stellite Company, a unit of Union Carbide & Carbon Corporation, filling a vacancy caused by the death of Francis P. Gormely.

F.T.C. Ad Order Violator Fined $15,000

OPD Washington Bureau

A civil penalty judgment of $15,000 has been entered by the United States District Court at Trenton, N. J., against Emile Carpentier, Hillsdale, N. J., for violating a Federal Trade Commission order which directed him to cease and desist from advertising that a preparation sold by him and designated "T. B. Compound" is a cure for tuberculosis and other diseases and ailments. The judgment is the largest ever rendered in a civil penalty suit brought by the Department of Justice for violation of a commission cease and desist order.

a commission cease and desist order.

In February, 1938, the commission, after issuance of a complaint and hearings thereon, ordered Carpentier, who trades as Dr. Emile Carpentier, to cease and desist from representing in his advertising matter that "T. B. Compound" has any curative, remedial or therapeutic value,

R.L. Lund Retires As Lambert Vice-Pres

OPD Washington Bureau

R. L. Lund, executive vice-president of the Lambert Pharmacal Company, St. Louis, for almost twenty years, has retired. Mr. Lund relinquished his position in order to devote more time to the public and civic activities in which he is interested. He will continue to serve, however, as a director of the company. J. L. Johnston, president and chief executive officer of Lambert, will continue to be in St. Louis frequently. J. S. Norton will be ranking vice-president, residing at St. Louis.

Foreign Trade Council To Meet Oct. 9-11

The National Foreign Trade Council will hold its thirty-first annual convention in the Hotel Pennsylvania, New York, October 9 to 11.

Subjects to be considered will include the future of lend-lease operations, government controls as affecting private enterprise in the foreign commercial field, the disposition of government-owned surpluses, postwar transportation (including merchant shipping and aviation), monetary policy and exchange stabilization, the future of the reciprocal trade agreements program, foreign investment (including cartels), commercial and tax treaties, etc. Particular emphasis will be placed upon the indispensability of private enterprise to American leadership in the building of a new world economic order.

Chemical and Drug Surpluses Split between Two Agencies

OPD Washington Bureau

The split jurisdiction between the Reconstruction Finance Corporation and the Procurement Division of the Treasury Department over the disposal of surplus chemicals and drugs of the war agencies has been eliminated by an amendment to regulation No. 1 of the Surplus War Property Administration, just issued by Administrator Will L. Clayton.

All references in the regulation to sale by the Reconstruction Finance Corporation of surplus drugs has been eliminated, and these products are now assigned exclusively to the procurement division. In the case of surplus chemicals, these are now turned over exclusively to the Reconstruction Finance Corporation for disposal.

Officials explained that the purpose of the change in procedures is to eliminate the many administrative difficulties that have arisen in attempting to portion out the materials being declared surplus by the war agencies. It also eliminates the necessity of interested purchasers' keeping in contact with two agencies. Heretofore Administrator Clayton had attempted to divide up the surpluses on the basis of whether they were packaged in a way that could be handled only by wholesalers or manufacturers, or in such a way as to be readily marketed through retail outlets. The general theme was that the procurement division would handle only the goods packaged in retail sizes, while RFC would handle those in bulk quantities.

Groupings Will Lap

Under the new arrangement those who are interested in acquiring quantities of surplus drugs need now concern themselves only with the disposal operations of the Treasury Department, and those concerned with chemicals will need to contact only RFC. It is expected that there will be some overlapping, because many chemicals are used to a great or less extent as drugs. The primary division of surplus materials will put industrial chemicals under RFC and pharmaceuticals under the treasury unit. The Standard Commodity Classification doubtless will be relied upon in the determining of the status of a material.

Several other changes were made in the regulation. The Tennessee Valley Authority was exempted from the requirement that it turn over all its surplus properties to the appropriate disposal agency for sale and is directed to turn over only that which it considers consistent with the TVA act and desirable in the interest of coordinated disposal. It must, however, report all surpluses to the appropriate agencies and coordinate its disposal policies and procedures with those of the other agencies so as to avoid competition in sales.

All Surpluses Included

The regulation is made applicable to the surplus property of all government agencies. Heretofore it was limited to the surplus property of the war and navy departments and the maritime commission.

—Continued on page 58

S.C.I. Medal Awarded to Dewey

Col. Bradley Dewey, director of the Rubber Office of the War Production Board and president of Dewey & Almy Chemical Company, Cambridge, Mass., has been selected to receive the Chemical Industry Medal, awarded annually by the American Section of the Society of the Chemical Industry. Col. Dewey is being borrowed for his work in colloid chemistry, especially as pertaining to rubber latex, and his accomplishment in administering the synthetic rubber program during the critical war period.

Col. Bradley Dewey

Born in Burlington, Vt., in 1887, Col. Dewey completed his studies at Harvard in three years and received his A.B. degree cum laude in chemistry from Harvard in 1908. The next two

—Continued on page 68

APC Names Patent Contracts Group Head

OPD Washington Bureau

Ben W. Lewis has been appointed chairman of the patent contracts committee in the Office of Alien Property Custodian, according to James E. Markham, Alien Property Custodian. One of the committee's main functions, the custodian said, will be to eliminate restrictive provisions from patent contracts entered into between American concerns and foreign owners of patents, or interests in patent agreements, which have now been seized by his office.

Aluminum Metal Output Cut by WPB

Aluminum metal production will be terminated at plants in Riverbank, Calif., and Burlington, N. J., and reduced by one-third at the Torrance plant in Los Angeles, Calif., because of an increasing ingot surplus, the War Production Board has announced. The total cutback represents the shutting down of four potlines having a monthly capacity of 12,000,000 pounds. The three plants, all owned by the Defense Plant Corporation, are operated by the Aluminum Company of America.

Magnesium Production Curtailed by WPB

The War Production Board has announced that the monthly production schedules of four magnesium plants have been reduced and that of a fifth plant terminated in order to bring surplus supplies of magnesium more in line with the nation's stock pile objectives. The curtailment at these plants, all of them government-owned, will result in a reduction of 7,517,000 pounds per month in magnesium production. Manpower considerations were the principal criterion in the selection of the plants to be curtailed. The program is being put in effect as follows:—

	Pounds	
	Previous output	New output
Dow Magnesium Corp. (Mich.)	3,600,000	.....
Dow Magnesium Corp. (Texas)	6,600,000	6,000,000
Magnesium Reduction Co.	1,050,000	833,000
Electro Metallurgical Co.	2,300,000	1,200,000
Basic Magnesium, Inc...	6,500,000	4,500,000

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Aug. 4, 1944	July 28, 1944	Aug. 6, 1943
137.1	136.9	137.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

There was another net increase last week in the price index of the markets for chemicals, oils, and drugs. The influencing factor was furnished by the egg products group, with a little help from botanical drugs and naval stores. A lower price for synthetic methanol became effective, also a price cut in the shortening supply of nitrate of ammonia.

It was still clearer that the scheduled transition to increased civilian production was not going to make good in respect either of time or of volume. War production needs are running ahead of output, not because of shortages of materials, but on account of inadequate manning. The job-referral idea has not panned out as expected, and war news is being stripped too much of its gloom.

Spearmint Oil Ceiling Raise Refused by OPA

OPD Washington Bureau

Petitions of producers and dealers in spearmint oil for higher ceiling prices to bring the level back to its normal relationship with peppermint oil, have been denied by the Office of Price Administration, it was stated August 4. The petitioners asked that the producers' ceiling be raised from $3.50 to $4 a pound and that of dealers from $4 to $4.50 a pound.

In letters rejecting the request, now being sent out by OPA, it is recalled that, at the time the ceiling on peppermint oil was raised, no complaint was registered against the ceilings on spearmint oil. It also is pointed out that peppermint is classed as an essential crop by WFA and at the time the peppermint oil ceilings were increased in order to expand production, it was expected that the production of spearmint would be affected thereby.

OPA said that an examination of all factors leads it to the opinion that the maximum prices prevailing for spearmint oil are well above the minimums necessary to sustain the industry.

Bids Wanted

Asphalt:—6 50-gallon drums, Supply Officer, Veterans Administration Facility, Northampton, Mass.; invitation 45-32, opening August 9.

Asphalt Cutback:—5,000 gallons, Purchasing Agent, Department of the Interior, Bureau of Reclamation, Branch of Fiscal and Administraive Management, Administrative Management, Administrative Management, Administrative House, Denver, Colo.; invitation J-23,376-A, opening August 9.

Baking Powder:—100 cases, Treasury Department, Procurement Division, Washington (25); invitation 23929-1S, opening August 7.

Fuel Oil and Kerosene:—Chief, Purchase Division, Treasury Department, Procurement Division, Washington (25); invitation 8365-F09, opening August 14.

Nitric Acid:—300 pounds, General Purchasing Officer, The Panama Canal, Washington (25); invitation I-5425, opening August 10.

Oil, Salad:—13,755 gallons, Procurement Division, Veterans Administration, Washington (25); invitation 10-S, opening August 11.

Oleomargarin:—95,312 pounds, Procurement Division, Veterans Administration, Washington (25); invitation 11-S, opening August 14.

Rock Salt:—For the Cleveland Transit System, Office of the Bureau of Purchases and Supplies, Cleveland; Resolution No. 461-44, opening August 10.

Soap, Toilet:—2,000 pounds, Purchasing Agent, Post Office Department, Washington (25); invitation 471, opening August 7.

Soda, Caustic:—5,200 cans, Treasury Department, Procurement Division, San Francisco 2, Calif.; invitation SF-1072-45, opening August 10.

Vermilion Pigment, Dry:—100 pounds, General Purchasing Officer, The Panama Canal, Washington (25); invitation I-5427, opening August 12.

Vinyl Chloride Acetate:—Division of Purchases, Sales and Traffic, Department of Agriculture, Washingon (25); invitation 93-44, opening August 11.

Vitamins:—1,600 bottles, General Purchasing Officer, The Panama Canal, Medical Section, Washington (25); circular 1449, opening August 8.

Drugs:—General Purchasing Officer, The Panama Canal, Medical Section, Washington (25); circular 1461, opening August 10.

Advanced by Hercules

Clark B. Kingery, assistant manager of Hercules Powder Company's Parlin, N. J., chemical plant, has been named manager of the cellulose produce department plant just established in Hopewell, Va. W. Ernest Henry will continue as manager of the chemical cotton plant at the same location.

Swann to Resume Operations in Alabama

The Swann & Co. chemical plant will resume operations under Theodore Swann in provisions of a real properties arrangement entered in Federal district court in Birmingham, Ala., signed by Judge T. A. Murphree. The plant is one of two in the United States designed for the production of synthetic menthol made from oil of citronella.

Purpose of the arrangement, according to Judge Stephen Coleman, was to reorganize the business and enable Mr. Swann to resume operations and at the same time satisfy his obligations. In proceedings before the court for a real properties arrangement, the court order confirmed the arrangement and all sales of property constituting part of the estate of Mr. Swann.

The large tract of Hiwasee river land in Tennessee was sold for $285,000 to TVA for use in its river projects, and the mortgage to the Reconstruction Finance Corporation for $306,000 has been paid in full. Mr. Swann has repurchased the plant and given a mortgage of $50,000 by the arrangement and will continue manufacturing and processing chemicals at the plant.

The plant will make plastics and other chemicals as present plans are completed, and Mr. Swann has in the past two weeks developed an improvement in the making of synthetic menthol which shortens the process by one-half.

Wiley Memorial Session Planned by A.C.S.

A symposium in memory of Dr. Harvey W. Wiley is planned as a feature of the meeting of the American Chemical Society in New York September 11 to 15. It will commemorate the centenary of Dr. Wiley's birth, October 18, 1844.

The event will be sponsored by the society's division of agricultural and food chemistry. Dr. N. B. Guerrant, of Pennsylvania State College, chairman of the division, will preside. Food quality, to attain which Dr. Wiley finally secured in 1906, the passage by Congress of the food and drugs act, will be the major theme of a dozen addresses by food experts.

WPB Priorities Operating Order Changed

A number of minor technical changes in P-89 which provides for preference ratings for the delivery of maintenance, repair and operating supplies for the chemical industry were made by the War Production Board July 31. The amendments tended to liberalize the order to bring it in line witht the MRO orders affecting other industries.

Obituaries

Frank G. Hall

Frank Griswold Hall, president of Stein-Hall & Co., manufacturer of vegetable adhesives and importer of raw materials, New York, died in Hanover, N. H., July 30. He was seventy-three years of age. Mr. Hall had been associated with the Stein-Hall Company for more than fifty years.

Born in Northampton, Mass., Mr. Hall was educated at the Brooklyn Latin School. In 1891 Mr. Hall joined Stein-Hirsh, as the company was then titled, as an office boy. Several years later he became a salesman, and in the late 1890's he was appointed a partner. In 1918 the company was changed to include Mr. Hall's name and he was appointed vice-president and general manager. Upon the death of Mr. Stein in March, 1918, he was elected president. As president of Stein-Hall, Mr. Hall was also president of its subsidiaries:—Stein-Hall Manufacturing Company, Stein-Hall, Ltd., and the Stein-Davies Company. He was also president of the Tapioca Products Association.

Surviving are his wife, and four daughters.

Dr. A.N. Phillips

Dr. Alfred Norton Phillips, former executive of the Phillips Chemical Company, Stamford, Conn., died recently. He was eighty-eight years of age. Mr. Phillips practiced medicine in Bridgeport and then joined his brothers, Charles E. H. Phillips, William D. Phillips and John B. Phillips, in the management of their father's factory which was founded in 1855. The family sold the business in 1923.

Surviving are his wife, and a son.

Eugene C. Schwarzenbek

Eugene C. Schwarzenbek, former manager of the Newark district office of the electrochemicals department of E. I. du Pont de Nemours & Co., died July 23, in his home in Nutley, N. J. Mr. Schwarzenbek, who retired from his position December 31, 1942, because of ill health, was sixty years old.

Born in Germany, Mr. Schwarzenbek came to the United States as a young man and joined the R. & H. Chemical Company, in the stock department, in 1903. After three years service he became a salesman in New York, and in 1926 he took charge of the Newark office. E. I. du Pont de Nemours & Company purchased R. & H. in 1930.

Surviving is his wife, two sons, and a daughter. A third son, Herman, who was a Flying Fortress pilot in the Army Air Force, has been killed in action over Germany.

Edward Bausch, chairman of the board of the Bausch & Lomb Optical Company, died in Rochester, N. Y., July 30. He was eighty-nine years of age.

Cylinder Leakage Test Revised by I.C.C.

In a session July 24, the Interstate Commerce Commission approved a revision of paragraph 17 of the regulations appendix on shipping container specifications, effective on that date and reading as follows:—

17. Leakage test.—Every cylinder with the bottom closed in by the spinning process must be tested for leakage by gas or air pressure after the interior of the bottom has been cleaned and is free from all moisture. Pressure, approximately the same as but not less than service pressure, must be applied to the interior of the finished bottom over an area of at least one-sixteenth of the total area of the bottom but not less than ¾ inch in diameter, including the point of closure, for at least one minute, during which time the exterior of the bottom exposed to interior pressure must be covered with water and closely examined for indications of leakage. Leakers must not be repaired and must be rejected.

Note:—As a safety precaution, if the manufacturer elects to make this test before the hydrostatic test, he should design his apparatus so that the pressure is applied to the smallest area practicable, around the point of closure, and so as to use the smallest possible volume of air or gas.

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Rotenone Import Gain Expected in 1945

Members of the Household and Industrial Insecticide and Disinfectant Manufacturing Industry Advisory Committee were informed by WPB at a recent meeting that 1945 imports of rotenone can be expected to be slightly in excess of those received in the current year.

The industry was also told by WPB that to obtain additional pine oil for use as a disinfectant in washrooms and toilets of schools and hospitals, applicants should state on allocation applications the name of the institution and the quantities needed in each case. Where such information is given, pine oil will be allocated in each instance over and above established civilian quotas to such an extent as is permitted by available supplies.

Betanaphthalene Sulphonic Acid Made Commercially

Fine Organics, Inc., New York, is now manufacturing betanaphthalene sulphonic acid. The company maintains an office at 211 East Nineteenth street, New York, and a plant at 201 Main street, Lodi, N. J.

Soybean 1944 Crushing Contracts Offered

OPD Washington Bureau

Contracts covering the crushing of the 1944 soybean crop of the Midwest are now being offered to all processors of record last year by the Commodity Credit Corporation on a basis differing somewhat from that of the 1943 program. The contracts were put in the mails July 28 by the agency.

Among the principal differences between the 1944 contract and the 1943 contract are:—

1. The total processor margins are being increased by 1 percent per bushel primarily to provide a larger allowance than was specified in 1943 for outside storage costs and increases in prices above the support level.

2. Processing capacity is to be determined by actual capacity rather than manufacturer's rated capacity of the plant, and CCC reserves the right to require an adjustment in the Base Chemical Grade Price based upon actual operation. Processors having solvent extraction equipment and other classes of equipment may execute separate contracts for the solvent extraction equipment. However, the processor margin for each such contract will be determined on the basis of the total capacity of all classes of equipment at a particular plant location.

3. Provision has been made for an

—*Continued on page 53*

Animal Wax Tariff Ruling Is Made

OPD Washington Bureau

Collectors of Customs have been instructed by the Customs Bureau to permit the free entry of animal wax derived from inedible animal grease under paragraph 1796 of the tariff act, but to levy an excise tax of three cents a pound on it under section 2491(c) of the internal revenue code.

The United States Court of Customs and Patent Appeals held in P. Beiersdorf & Co., v. United States, C.A.D. 267, that certain merchandise was free of duty as an animal wax under paragraph 1796 of the Tariff Act, and that it was not subject to a tax under section 2491 of the internal revenue code. In so doing, the court overruled the collector's classification of the merchandise as an ester dutiable at 25 percent advalorem under paragraph 37 of the Tariff Act, and as an inedible animal grease or fatty acid derived from inedible grease taxable at 3 cents per pound under section 2491, I.R.C.

The Bureau said that wax of the kind in question, not being taxable under that part of section 601(c)(8) of the Revenue Act of 1932 as amended, which is now I.R.C. section 2491 (a), is clearly subject to a tax under

—*Continued on page 53*

Gum Naval Stores Price Advisers Named

Fourteen representative producers, processors, and dealers of gum naval stores have been appointed to a Gum Naval Stores Industry Advisory Committee, the Office of Price Administration announced today.

The committee will meet with OPA at a later date for a discussion of provisions of the proposed price regulation that will establish permanent ceiling prices for gum rosin.

At present, gum rosin prices are "frozen" under a 60-day temporary regulation, made effective June 28, 1944, in order to halt rapidly rising prices of the essential commodity. Prior to the temporary prices, gum rosin had been exempt from price control since June 19, 1942. Members appointed to the industry advisory committee are:—

A. L. Brogden, of Turpentine & Rosin Factors, Inc., Jacksonville, Fla.; T. J. Taylor, jr., of the Taylor & Lowenstein Company, Mobile, Ala.; M. L. Rue, of the Filtered Rosin Company, Brunswick, Ga.; E. W. Colledge, of the Nelio Resin Processing Corporation, Jacksonville, Fla.; J. C. Nash Col, of the Columbia Naval Stores Company, Savannah, Ga.; H. Langdale, of the American Turpentine Farmers Association, Valdosta, Ga.; L. W. Brannon, jr., of the Elberta Turpentine Company, Foley, Ala.; W. J. Boynton, of the American Turpentine Farmers Association, Tallahassee, Fla.; R. M. Newton, of the Newton Naval Stores Company, Wiggins, Miss.; J. L. Gillis, jr., of Soperton, Ga.; Harry Lurton, of the Peninsular-Lurton Company, Pensacola, Fla.; Walter B. Dyal, of E. C. Dyal & Co., Helena, Ga.; W. Capers Rice, of Vidalia, Ga.; G. W. Hall, of the G. W. Hall Naval Stores Company, Melrose, Fla.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The fighting between the military and WPB over the question of resuming civilian goods production in any important degree before the European phase of the war is ended has reached a stage where almost anything can happen. By acquiescence, the army and the navy agreed some weeks back to the issuance August 15 of the proposed WPB order to allow civilian production in areas where it will not interfere with the war effort—but, now the military authorities are backtracking.

The sudden bursting into public print this week of military complaints against the lagging military production program has started the fight all over again. Without mentioning the WPB program directly, Gen. Somervell, chief of the Army Service Forces, said that the tendency of workers to shift from war to peacetime jobs is affecting the military program. As a result, it would not be surprising in some quarters if the proposed WPB order is held up indefinitely.

Other measures of correcting the situation are under consideration, however, and it is foreseeable that a compromise might be effected that will meet everyone's approval. Among the suggestions advanced is that WMC tighten its referral rule to put the jobs up to workers on a take-it-or-leave-it basis. A worker now can continuously refuse job offers until one comes along to his liking. Another proposal is that wages in the labor shortage areas be increased to draw workers from areas where there is an oversupply of labor.

Export Trade Pushed

Increasing interest in the future of American export trade is being shown of late by the government agencies most particularly concerned with this problem; namely, the Commerce and State departments, where the statutory authority to protect American trade rests. Broad policies being laid down and international conferences being held and in prospect reflect much of the work carried on behind the scenes.

Recently two new government agencies have made a bid for assistance to the exporter. The Smaller War Plants Corporation has been formulating plans for putting small manufacturers in touch with export outlets, particularly concerns whose products are exportable and are not adaptable to war production.

The Special Promotion Division of the Overseas Branch of OWI is urging export advertising overseas by American industries, regarding such activities as powerful weapons of economic warfare. OWI not only is encouraging such advertising but maintains a service organization to assist American advertisers and their advertising agencies in the preparation, placing, and expediting of advertising campaigns in Sweden, Spain, Portugal, Turkey, and Egypt.

Tire Rationing Argued

The liquidation of the Office of Rubber Director on the grounds that there is more than enough synthetic rubber to meet needs and the office can no longer serve any useful purpose has touched off a spirited debate in government circles as to the further need of rationing of new passenger tires.

Some feel that as long as gasoline is rationed as at present, the demand for new tires will decline so that tire rationing can be relaxed. Others feel, however, that the tires now on the road are rapidly wearing out and even with the 22,000,000 new passenger tires to be built this year, the needs of the public will be greater next year than this.

OPA officials, who must wrestle with the problem, aren't saying much one way or the other. They point out only that the 22,000,000-tire goal for this year hasn't been reached yet and many things could happen to the tire program before it is completed. The extent to which the speed of automobiles is held down and tires are given the utmost care by the public will help determine the date when tire rationing is lifted.

Penicillin Use Widens

More and more reliance is being placed by the military on the use of penicillin for treatment of wounded, which is one of the reasons why the stepped-up demands for the drug by the army make it impossible to increase supplies for civilians this month and next.

Penicillin is being administered at the rate of millions of units a day to the American wounded returned from the Italian front for hospitalization, because it has been found that organisms which do not respond to treatment by the sulfa drugs are seldom, if ever, penicillin-resistant.

Tests on new uses and methods of administering the drug are going on continuously. At the Eighth Evacuation Hospital experiments are in progress to determine the value of penicillin administered prophylactically before surgery. All patients are given 25,000 units before they go to surgery, and the same quantity is given intravenously or intramuscularly every three hours after surgery.

The army is trying to learn whether systematic and routine administration of the curative mold will hasten wound closure and speed evacuation of patients to station and general hospitals. Healing time is lost whenever a dressing is removed and a wound inspected in an evacuation hospital. With penicillin, since it attacks the anaerobic bacteria, dressings need be removed only infrequently.

Price-Control Loophole

Because Congress had concluded that the agency was being too tough with violators of its price regulation, OPA has been forced to modify its penalties against people who sell rationed goods at prices above ceiling levels. It has had to revise all its suspension order regulations so that dealers in rationed commodities who try to make "just a little more profit" than the ceiling allows can't be suspended.

In announcing the revision of its policies, OPA made no pretense that it was taking the action on its own accord. The change in policy is made in accordance with the intent of Congress, the agency emphasized, that no rationing regulation may contain a provision requiring compliance with a price regulation.

This is one of the changes in the law that the President had in mind when he complained about the loopholes which Congress provided for violators when it renewed the OPA act last June. The loophole will be watched closely and, if found too big, the President will ask that it be plugged.

Tin Needs Are Bigger

Renewed emphasis is being placed by WPB on the need for greater efforts at salvaging used tin cans. In the face of increased military requirements and vital civilian needs for tin, officials are finding that salvage operations are diminishing with the result that inroads heavier than are desirable must be made in the tin stockpile.

The immediate increasing demand for tin, particularly in the production of all types of ships, is surpassing all previous estimates. Every battleship contains 76 tons of tin, and every submarine uses more than 3 tons of tin in its complicated makeup. Ammunition boxes require more than a pound of tin each, and millions of these boxes are needed.

Supplies of tin are less than 30 percent of those formerly available and must be divided among military and all essential requirements.

The big difficulty is the collecting of saved empty cans. Tons of these are rusting in many communities.

Diesel Fuel from Gas

The Navy Department reports that it is making tests of a new high-

—*Continued on page 45*

Essential Oil Quotas To Be Set by USCC

OPD Washington Bureau

Essential oils importers were requested by the Foreign Economic Administration August 1 to submit information on their 1936-40 imports of such oils from North Africa and Italy by August 22 in a move to devise a plan for equitable distribution of any such oils which may be procured from such sources by the United States Commercial Company. It is the intention of USCC, it was stated, to sell any such oils it may obtain to the established trade under a quota system set on the basis of the information received.

At the present time essential oils from North Africa and Italy can be procured only through governmental channels. USCC, as the government importing agency in those areas, is endeavoring to move to the United States the commodities which are desired by private industry. Because of military operations in the Mediterranean area, it has not yet been possible to open North Africa and Italy to private trade. In the near future there may be available such essential oils as bergamot, jasmine (concrete and absolute), rose (concrete and absolute), Algerian geranium, neroli, orris, rue, rosemary, and Pennyroyal.

Any prewar importer of the abovenamed essential oils may purchase a share of these oils brought in by USCC by submitting a sworn statement setting forth the following information respecting each entry of essential oils cleared through United States customs in his own name during the years 1936 through 1940, inclusive:— (1) type and description of essential oils (not containing alcohol) entered; (2) quantity entered; (3) date of each entry; (4) entry number (if available); (5) port of entry; (6) country of origin.

The sworn statement should be addressed to General Commodities Division, Foreign Economic Administration, Fourteenth street and Constitution avenue, Northwest, Washington 25.

OPA Quinidine Action Favor Wider Distribution

OPD Washington Bureau

Recent action of the Office of Price Administration in modifying the relief provisions of the GMPR to permit upward adjustment of ceiling prices on drugs where rising costs have made it impossible to process and sell drugs at the March, 1942, levels will ease the problems that have faced the processors of quinidine and encourage wider distribution of the drug through the normal channels of trade, WPB officials forecast August 3.

For some time the Defense Supplies Corporation, which holds around 8,000 ounces of the drug, has encountered difficulty in disposing of it to processors by reason of the fact that its ceiling prices on sales were approximately those of the processors which meant that the processors would have to sell without any margin to cover processing and distribution costs. Because their overall profits had not decreased, the processors were unable to obtain any relief from the OPA under the GMPR prior to the amendment issued last weekend.

It is now understood that the processors will purchase the drug from the DSC at its ceiling levels and may apply to the OPA for relief under the new provision that permits higher ceiling prices to producers of an essential material, the supply of which has been certified as inadequate (or threatens to become so) by the WPB or other governmental agencies, but in connection with which production orders are not practicable.

Quinidine has been under WPB allocation since November, 1942, and is understood to be in short supply. Its use is limited to treatment of cardiac disorders and can be sold at retail only on doctor's prescription.

OPA Consumer Goods Director Appointed

OPD Washington Bureau

Byres H. Gitchell, acting director of the Office of Price Administration's Consumer Goods Price Division, has been appointed director of that division, James F. Brownlee, OPA's Deputy Administrator for Price, has announced.

What's NEW at NYQ

By a "G. I. Joe" from N.Y.Q.

"Due to a mix-up in the mail (I located 14 letters yesterday) I did not receive the notice and minutes of the presentation of the ARMY-NAVY "E" until yesterday. My congratulations are therefore belated but nevertheless sincere. We G.I.'s have a great personal interest in the continued production of drugs and chemicals. From the tiny first aid kit tied to a parachute to the more elaborate field kits of the Medics; from the .... to the rows and rows of bottles in the infirmary, there is always right at hand aid and comfort from pain and suffering and always in sufficient quantities to meet our needs. This could never be an accomplished fact without the outstanding efforts of those who produce. We G.I.'s need never fear that we will suffer needless pain or disease thru any lack on the part of the men and women of N.Y.Q. in bringing aid to us. Again, congratulations and good luck."

"G. I. Joe"

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Gammamorpholinopropyl Butyrate, Normal

Adhesives—Plasticizer (U.S. 2249518) in adhesive compositions containing cellulose acetate

Ceramic—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate, used as coatings for protecting and decorating ceramic products

Chemical—Plasticizer (U.S. 2249518) for cellulose acetate

Cosmetic—Plasticizer (U.S. 2249518) in nail enamels and lacquers containing cellulose acetate as base material

Electrical—Plasticizer (U.S. 2249518) in insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment

Glass—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and coatings for protecting and decorating glassware

Leather—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metallurgical—Plasticizer (U.S. 2249518) in coating compositions, containing cellulose acetate, used for protecting and decorating metallic articles

Miscellaneous — Plasticizer (U.S. 2249518) in coating compositions, containing cellulose acetate, used for protecting and decorating various products

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2249518) in paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate

Paper—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate, used in the manufacture of coated papers and coatings for protecting and decorating products made of paper or pulp

Photographic — Plasticizer (U. S. 2249518) in films made from cellulose acetate

Plastics—Plasticizer (U.S. 2249518) in laminated fiber products, molded products, plastics made from cellulose acetate

Resins—Plasticizer (U.S. 2249518) in resin-cellulose derivative solutions and other compositions

Rubber—Plasticizer (U.S. 2249518) in coating compositions, containing cellulose acetate, used for decorating and protecting rubber goods

Stone—Plasticizer (U.S. 2249518) in coating compositions, cointaining cellulose acetate, used for decorating and protecting artificial and natural stone

Textile—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate, used in the manufacture of coated fabrics

Wood—Plasticizer (U.S. 2249518) in compositions, containing cellulose acetate, used as protective and decorative coatings on woodwork

Plastic wood compositions, containing cellulose asetate, used for many filling and repairing purposes on wood

Glycidyl Hydrogen-Phthalate

Dye—Starting point (Brit. 545251) in making fast, water-soluble blue dyes for cellulose esters and ethers by condensing with 1:4:5:8-tetra-aminoanthraquinone

4-Hydroxy-1-phenylpyrazole 3-Carboxylate

Photographic — Gray color former (Brit. 542149) in photographic emulsions (used in conjunction with organic developing agents, gives gray images suitable for fine-grain black and white pictures)

Isoprene Propionate

Leather — Solvent (U.S. 2246545, 2246546, and 2246547) in coating and decorating compositions

Miscellaneous—Solvent (U.S. 2246545, 2246546, and 2246547) in coating and decorating compositions for various articles

Paint, Varnish and Lacquer—Solvent (U.S. 2246545, 2246546, and 2246547) in paints, varnishes, lacquers, enamels, stains, dopes, and other products

Perfume—Ingredient (U.S. 2246545, 2246546 and 2246547) of perfume preparations

Pharmaceutical — Ingredient (U.S. 2246545, 2246546, and 2246547) of pharmaceutical preparations

Isoprene Valerate

Leather — Solvent (U.S. 2246545, 2246546, and 2246547) in coating and decorating compositions

Miscellaneous—Solvent (U.S.2246545, 2246546, and 2246547) in coating and decorating compositions for use on various products

Paint, Varnish, and Lacquer—Solvent (U.S. 2246545, 2246546, 2246547) in paints, varnishes, lacquers, enamels, stains, dopes, and other coatings

Perfume—Ingredient (U.S. 2246545, 2246546, 2246547) of perfume preparations

Pharmaceutical — Ingredient (U.S. 2246545, 2246546, and 2246547) of pharmaceutical preparations

Laurylmercaptan

Chemical—Catalyst in making copolymers

Organic chemical with a boiling range of 125° to 225° C. (15 mm), water white in color, insoluble in water, soluble in organic solvents, molecular weight, 211 (average), specific gravity, 0.8420 (25°/15.5° C.)

Rubber—Catalyst in making copolymers, such as buna S.

4-Methallyloxydiphenylamine

Chemical—Starting point (Brit. 542216 and 542217) in making antioxidants for fats and oils, insecticides, rubber

Muru-Muru Fat

Fats and Oils—Brazilian vegetable fat used in making butter substitutes, fat substitutes, lard substitutes, oleomargarin

1-Paranitrophenyltetrahydroquinolin

Dye—Starting point (U.S. 2251922) in making orange dyes for cellulose acetate by condensing with chloronitrobenzene or chloronitronaphthalene compounds

Polychloropropane, Liquid

Chemical—Organic chemical with a boiling range of 185° to 250° C., water-white in color, insoluble in water, miscible with alcohol, ether, and chlorinated solvents, molecular weight, 268.3 (average; specific gravity, 1.70 to 1.75 (25°/15.5° C.); viscous liquid at temperatures below 50° C.

Electric—Dielectric for cable and other insulating coverings and condensers

Sealing agent for batteries, radio and other electrical equipment and apparatus

Explosives—Ingredient of pyrotechnic compositions

Mechanical—Lubricant for various purposes, particularly to withstand chemical attack

Miscellaneous—Suggested for use as plasticizer

Data similar to those above on Uses and Applications of **5167** *Chemicals and Related Industrial Materials in one 665-page book* **$10**

OPA Issues Control Plan For Sales from Stockpiles

Broad over-all methods of price control for sales by the government of all commodities with the exception of food and those commodities originally purchased by the government for resale or stockpiling have been announced by the Office of Price Administration.

These methods, which become effective September 1, 1944, or earlier at the option of any government agency, also apply to sales of all commodities except food by a contractor or subcontractor whose contract has been terminated by a government agency where he has been authorized or directed by the government agency to sell the commodities, and where the proceeds are paid or credited to the government agency. They are, in other words, contractors selling for the government agency.

Private sellers who buy commodities from the government for resale are not subject to these new provisions unless their resale maximum price is established by an OPA order as permitted in the supplementary order that embodies the new methods.

To save needless work on ceiling prices, the order provides that, where the government agency has knowledge of market conditions and has good reason to believe that prices obtainable for the commodity to be sold are substantially below existing ceilings, no ceilings need be determined.

Determining Maximum Prices

The various methods of determining maximum prices fall under five general headings, as follows:—

Sales of New Commodities

Dollar-and-cent ceilings already established in various regulations are made applicable to government sales of new commodities, with the type of buyer determining whether the government agency may sell at the manufacturer, wholesaler, or retail level of price ceilings.

Where a heterogeneous group of new commodities held at one place is sold to one purchaser and where the determination of dollar-and-cent maximum prices would be unduly burdensome, the entire group of commodities may be sold at the acquisition or replacement cost as defined in the order. Where this heterogeneous group consists of new and used, or all used, commodities, the maximum price for the entire group may be 75 percent of the acquisition cost.

War contract termination inventory may be sold at not to exceed dollar-and-cent ceilings or acquisition costs.

Where dollar-and-cent ceilings are not available, sales may be made at prices not to exceed acquisition or replacement costs, or the adjusted list prices of manufacturers, producers or processors.

Sales of Used Commodities

Maximum prices for used commodities will be determined by use of (1) dollar-and-cent ceilings where they exist; (2) formulas contained in existing price regulations for the same commodities; or (3) formulas proposed by the selling agencies and approved by OPA.

A formula proposed by a government agency must be related to the ceiling price of the commodity in new condition and must not exceed such maximum price.

Sales of Scrap Materials

Maximum prices for scrap materials will be the dollar-and-cent ceilings where they exist in other OPA regulation. These regulations are listed in Appendix E. Scrap not listed in those regulations may be sold without price ceilings.

Special Maximum Prices

Where ceilings in dollars-and-cents are not provided, and the alternative methods provided are not utilized, the government agency may apply to OPA for a special price ceiling or an exemption from price control. Any maximum price proposed by the agency in the application will be deemed approved unless OPA advises otherwise within 20 days. Authority to issue orders on these applications is vested in both field and national offices of OPA.

Buyer's Certifications

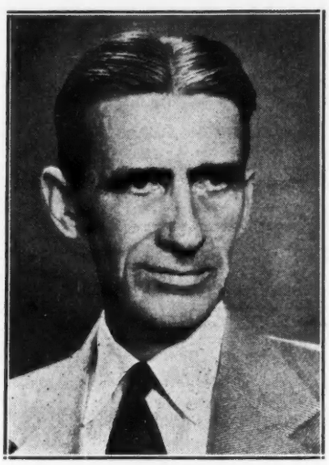
In sales of any commodity, the government may sell at a price not to exceed the maximum price applicable to purchases by the buyer from usual sources of supply, provided that the buyer certifies to the government agency

—Continued on page 67

Geigy Appoints Dumas Insecticide Div. Head

Charles J. Dumas has been appointed manager of the insecticide division of the Geigy Company, New York. Mr. Dumas will have charge or take over the management of Geigy activities in gesarol, neocid and other phases of GNB-A-DDT family, as well as all other insecticide interests of the firm.

After getting entomological training at St. Lawrence University, Mr. Dumas spent twelve years in commercial farm management. For a time he was attached to the Department of Agriculture in its fight in Florida against the



Charles J. Dumas

Mediterranean fruit fly and in New York State in control work on the Japanese beetle and European corn borer. Later he operated the specialties division of the Sinclair Refining Company, leaving to become manager of the insecticide and fungicide department of Rohm & Haas Company.

The widespread need by the armed forces for GNB-A-DDT, known as DDT, and the revelation of the possibilities of the many insecticidal compositions covered by U. S. patent 2329074, have increased the firm's activities enormously in the insecticidal field. The Geigy company was responsible for the discovery and development of the insecticidal values of those compositions.

S.C.I. American Unit Elects Shepard Chairman

The American Section of the Society of Chemical Industry has elected Dr. Norman A. Shepard, chemical director of the American Cyanamid Company, New York, its chairman, and Frank J. Curtis, vice-president of the Monsanto Chemical Company, St. Louis, as vice-chairman, to serve until July, 1945. Cyril S. Kimball and J. W. H. Randall were re-elected honorary secretary and honorary treasurer, respectively. The following were elected as members of the executive committee:—J. L. Bennett, P. K. Frolich, F. D. Snell, W. B. Wiegand and E. C. Williams.

FPVPC Committees For Symposium Named

Committees to take care of the several aspects of arrangements for the Fall technical symposium of the Federation of Paint and Varnish Production Clubs, October 23 and 24 in New York, have been named by Dr. Joseph J. Mattiello, president. The several committees are headed by the following:—

Dinner, Grant Schleicher.

Financial, Carl Engelhardt and W. J. Greco.

Hotel reservations, Ralph Everett and Kenneth Howe.

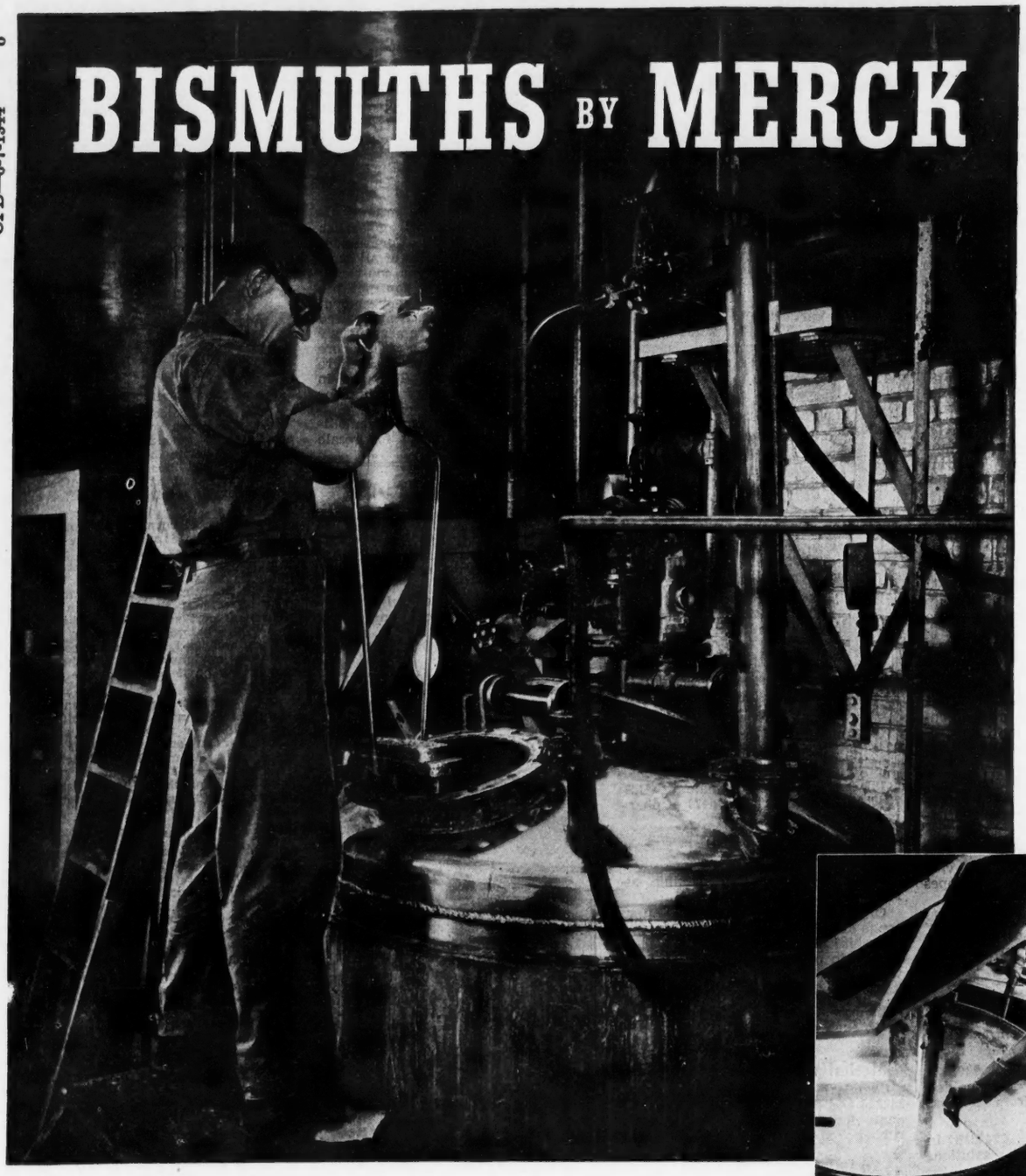
Projectors, public address system and related equipment, C. R. Bragdon and Irving Flaumenhaft.

Registration, Everett Cole and John Murphy.

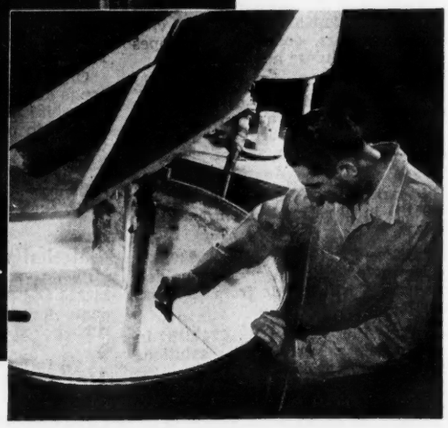
Social, C. A. Aloia and John Nee.

Stenotype service, Guido Henry and Charles Malizia.

BISMUTHS BY MERCK



Two steps in the production of Merck Bismuth Products



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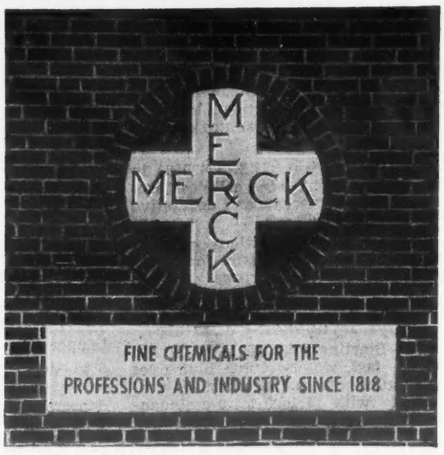

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Current Market Quotations Chemicals and Related Materials

August 4, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde,[4,6] 99%, dms., 55 and 110 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
dms.....lb. .42 - —
kgs.....lb. .37 - .38
powd., bbls.....lb. .34 - .35
dms.....lb. .38 - .40
kgs.....lb. .35 - .36

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1,6] dms., c.l., divd. E.*..lb. .08 - —
l.c.l., divd, E.*.....lb. .08½- —
tanks, divl. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, bbls., kgs., 1,000 lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.55 - 1.60

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1,6] com'l or redist., 28%, 100 lbs..3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
glacial, nat., CP, cbys.100 lbs.13.50 -13.75
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 8.98 - —
USP, cbys.....100 lbs.11.70 - —
synth, CP, dms., works..... 100 lbs.12.50 -13.50
99.5%, bbls., works.100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.98 - —
USP, dms., works.100 lbs.10.50 -11.00
pure, 80%, bbls.....100 lbs. 4.41 - 4.60
56%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic, anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis..lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .31 - —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous,[6] tech. (see Arsenic, White).

USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1,6] USP, 500-kilo lots, dms..kilo.24.50 - —
20-kilo lots, dms.....kilo.25.00 - —
10-kilo lots, dms.....kilo.25.35 - —
2½-kilo lots, dms.....kilo.25.70 - —
1-kilo lots, dms.....kilo.26.41 - —
500-gram lots, bots.....kilo.27.47 - —

Battery, cbys., c.l., E. works, 100 lbs. 1.00 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60

Betaoxynaphthoic, bbls., f.o.b. works..lb. .95 - —

Boric,[3] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld., ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broeners, bbls.....lb. 1.11 - —

Cacodylic, 5-lb. bots.....lb.22.00 - —

Acid, camphoric, cns.....lb. 6.95 - 7.00

Capric, tech., dms., returnable, lb. .21½- .22

Caprylic, tech., dms., returnable, lb. .27 - .27½

Castor oil,[5] split, dms., ret..lb. .20¾- .21¼

Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —

Chromic,[6] 99½-99¾%, dms., c.l., lb. .16¼- —
l.c.l. .....lb. .16¾- .18¼

Cinnamic, ref'd, bots.....lb. 3.50 Nom.

Citric,[1,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .24 - —
cryst., gran., bbls., c.l.....lb. .20 - —
10,000 lbs., 1 ship't..lb. .20½- —
smaller lots.....lb. .23 - .24
kgs.....lb .21½- —

Powd. citric acid, ½c. higher.

Cleve's, bbls.....lb. .65 - —

Coconut oil,[1,5] dist., dms.....lb. .15½- .17½

Corn oil, s.d., dms., c.l., works, lb. .12 - —

Cottonseed oil,[1,5] s.d., dms., c.l..lb. .12 - —
tanks, divd.....lb. .14¼- —

Cresylic,[4,6] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —

(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref...gal. .510 - —
Sewaren, N. J., ref...gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-248°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref..gal. .676 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, divd.....gal. .646 - —

Diethylbarbituric (see Barbital).

F (see Acid, Monosulphonic).

Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31

Gallic, NF VII, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.18

Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
dmjs. .....lb. .21 - .22
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19¼
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech. bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid strength.....cont. lb. .06½- —
Hypophosphorous, USP, djns, lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .12 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
lb. .24¼- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15½- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.85 - —
cbys., works.....100 lbs. 7.85 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms.....lb. .20 - .20½
Laurent's, bbls.....lb. .45 - —
Linseed oil,[5] light, dms.....lb. .21½- .23
Maleic,[6] powd., dms ..... anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric, unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., 85%, bbls..lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

Acid, muriatic, 20°, cbys., c.l., E. works..100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys..lb. .06 - —
6-lb. bots.....lb. .19 - —
dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
Myristic, dist., dms.....lb. No stocks.
Naphthenic,[6] 210-220 acidity, dms. extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] dms., 50-kilo lots up, kilo. 7.00 - —
10-kilo lots.....kilo. 7.10 - —
2½-kilo lots.....kilo. 7.20 - —
1-kilo lots.....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots.....lb. .23 - —
dealers, cbys.....lb. .11¼- —
7-lb. bots.....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[5] white, dist., dms.lb. No stocks.
tanks .....lb. No stocks.
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, divd., lb. .11¼- —
Phenylacetic, bots.....lb. 1.85 - 2.00
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankdagon, divd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.85
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10¼- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .68 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E. gal. .80 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1,5] s.d., dms....lb. .16¼- .16¾
tanks, works.....lb. .11 - —
Stearic,[5,6] double-press, bgs..lb. .15¾- .16¾
single press, bgs.....lb. .14½- .15¾
triple press, bgs, dirct.....lb. .13¾- .19¼
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - —
l.c.l., 25 up, works...100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works....100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys., lb. .06 - —
9-lb. bots.....lb. .17 - —
dealers, cbys.....lb. .06¼- —
9-lb. bots.....lb. .15½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .78
USP, fluffy, bbls., 1,000 lbs.lb. 1.32 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile,[6] dms., frt. alld..lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1,6] USP, anhyd., dms., primary distributors, lb. .34 - .36½
producers .....lb. .30 - .33
Adeps lanae, hyd., dms., primary distributors..lb. .32½- .34
producers .....lb. .31 - .33
Adeps lanae prices for primary distributors, f.o.b. St. Louis, 1c. higher.
Agar,[6] .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] cryst., powd...lb. 1.89 - 1.97
granular .....lb. 1.84 - 1.92
tech., cryst., bbls.....lb. 1.65 - 1.75
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns.....lb. .65 - .75
dms.....lb. .93 - —
Butyl, normal,[1,6] ferment., Ill., Ind., prod., dms., frt. alld. E..lb. .1980- —
l.c.l., frt. alld. E...lb. .2080- —
tanks, frt. alld. E....lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - —
Denatured,[1,2,6] CD14, dms., c.l., divd. E..gal. .54½- —
19 dms., works, E....gal. .56½- —
1 to 18 dms., works, E..gal. .58½- —
tanks, E., divd.....gal. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —

Anhydrous 3c. per gal. higher.

SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E., gal. .65 - —
tanks, E. works.....gal. .45 - —

SD25G (replaced by SD23H).

SD23H, works, c.l., bbls..gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49½- —

SD29, denatured, with acetaldehyde, bbls., c.l., E. works, gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works..gal. .69 - —
tanks, E. works.....gal. .50½- —

When any of the several SD39 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1¼c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .55½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[6] acetone-free, dms. c.l., divd..lb. .11¼- .14½
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¾- .13½
tech., dms. c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11¼- .13¾
tanks, divd.....lb. .10 - .13½
Ethyl,[4] 190 pf., dms., c.l...gal.17.04½-
19 dms.....gal.17.68 -
1 to 18 dms.....gal.17.71 -
tanks .....gal.17.60 -
absolute, dms., c.l.....gal.16.63 -
18 dms.....gal.16.65½-
1 to 17 dms.....gal.16.68½-
Ethylhexyl, dms., c.l., wks..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .89 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .23 - .29
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works.lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., divd..gal. .66½- —
55 gals., c.l., divd....gal. .52 - —
l.c.l., divd.....gal. .49½- —
tanks, frt., alld.....gal. .54 - —
99%, dms., 5 gals., divd.gal. .60 - —
55 gals., c.l., divd....gal. .44 - —
l.c.l., divd.....gal. .47 - —
tanks, frt., alld.....gal. .57½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.20
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .62
Propyl, normal, dms., wks..gal. .67 - .70

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

1—Specific price ceiling
2—Price agreement (sellers with OPA)
3—General Limitation Order (L order)
4—General Preference Order (M order)
5—Conservation Order (M order)
6—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - .50
cns., Cedar Rapids, Ia.....lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.50 Nom.
Algin, bbls., fib. dms.....lb. .79 - 1.50
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .18 - .18½
Laredo, Tex., bgs.....lb. .17 - .17½
Aloe, Cape, cs.....lb. .29 - .30
Curacao, kgs.....lb. .65 - .80
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .23½
Alphapinene, dms., c.l., wks.gal. .84½- —
l.c.l., works.....gal. .86½- —
tanks, works.....gal. .81½- —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[2] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works...100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Alum potash, chrome, bbls....lb. .12½- .15
Soda, bbls., c.l.; works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works...lb. .35 - .40
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd..lb. .10¼- .11
solut., 20%, bbls., dlvd...lb. .09½- .10
Chloride, anhyd.,[4] com'l, dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bgs., c.l., works..lb. .024 - .031
bbls., c.l., works.....lb. .027 - .034
l.c.l., works.....lb. .04 - —
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .03 - .03¼
ton lots, same basis....lb. .03 - .03¾
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9¼% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, prec., bbls.....lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15¼- —
Stearate, precip., bbls., c.l...lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..
100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works... 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
Aluminum, 98-99% [3,5,4], c.l....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste,[6] lining, extra fine, 200-lb. drm..lb. .56 - .69
grade B, 250-lb. drm.....lb. .54 - —
ink, 150-lb. drm.....lb. .71 - —
standard, 200-lb. drm.....lb. .38 - —
grade B, 250-lb. drms.....lb. .36 - —
powder,[6] lining, extra fine, 150-lb. drm..lb. .93 - —
litho, 150-lb. drm.....lb. .57 - —
standard, 200-lb. drm.....lb. .39 - —
grade B, 275-lb. drm.....lb. .57 - —
rubber comp., 200-lb. drm....lb. .40 - —
unpolished, stand., 250-lb. drm, lb. .36 - —
varnish, stand., 300-lb. drm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1¼c. for 50-lb. drm., 3c. per lb. for 10-lb. can, and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 300 lbs. or over.

Ambergris gray, tins.....oz.13.50 - 14.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots. .....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald, ton.59.00 - —
refrigeration, tanks, wks..ton.69.00 - —
pure, cyls.....lb. .16 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content), ton.65.00 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld.lb. .42 - —
smaller lots, frt. alld...lb. .44 - .47
Bicarbonate, dms.....lb. .0539- .0614
Bicarbonate,[6] bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls, kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .06¼- .06¾
cns. .....lb. .14¼- .17¼
powdered 1c. per lb. higher.

Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs., lb. .15 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] Canadian, fertilizer grade, 32.5 nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate.
domestic, ordnance, bgs., works..ton.46.00 - —
tech., bgs., works....100 lbs. 4.35 - 5.50
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .31 - .39
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.05 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .18½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycolate, 100%, bbls....lb. 7.10 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works...
l.c.l., same basis..100 lbs. 5.50 - 5.75
white, gran., bbls., c.l., works, 100 lbs. 6.00 - 6.70
l.c.l., same basis..100 lbs. 4.45 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. 5.15 - —
l.c.l., dlvd.....lb. .12½- .17
tanks, dlvd.....lb. .13 - .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .11½- .16
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .16½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .14½- —
Caproate, dms.....lb. .75 - .90
Chloride, mixed, tech., dms., c.l., works..lb. 2.75 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .08 - —
Ether, dms., c.l., works.....lb. .06 - —
l.c.l., works.....lb. .09¼- —
tanks, works.....lb. .10¢ - —
Nitrite, USP, bots.....lb. .06½- —
Mercaptan, dms., works.....lb. 1.72 - 1.80
Oleate, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .31 - —
Stearate, dms., works.....lb. .80 - 1.25
Amylene, dms., c.l., works...lb. .42 - —
l.c.l., works.....lb. .10½- —
tanks, works.....lb. .11 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .09 - —
refd., dms., works.....lb. .14 - —
Anethol, com'l, dms., works...lb. .16 - —
NF, bots.....lb. .657 - .662
cans .....lb. 2.10 - 2.35
Angelica root, dom., bls.....lb. 1.90 - 2.25
Angostura bark, bls.....lb. No prices
Anilin[6] oil, dms., c.l., works, frt. alld..lb. .20 - .21
l.c.l., works, frt. alld.....lb. .11½- —
tanks, works, frt. alld....lb. .12½- —
Salt, dms., works.....lb. .10½- —
Anise,[1] Cyprus, bgs.....lb. .22 - .24
Bulgarian, bgs.....lb. .29 Nom.
Mexican, recleaned, bgs.....lb. .29 - .29½
Turkish, bgs.....lb. .18¼- .19
Anisic aldehyde, bots.....lb. No stocks
Annatto,[6] paste, bxs.....lb. 2.90 - 3.00
Seed, bgs.....lb. .34 - .39
Anthracene, 80-85%, bbls., works, lb. .08¼- —
90%, bbls., works.....lb. .55 - —
Anthraquinine, 99.5%, bbls....lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .70 - —
Metal,[1,4] bulk, c.l., works...lb. .17 - —
Needle,[1] Bolivian, brown, 67%, cs..lb. .14½- .17½
Chinese, black, 70%, cs....lb. .18½- —
Oxide,[1,6] bgs., c.l.....lb. .20 - .22
l.c.l. .....lb. .15 - —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .15½- —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .40 - —
l.c.l., works.....lb. .17 - —
Antipyrine, bbls., kgs., ton....lb. .17½- —
smaller lots.....lb. 2.00 - —
Apomorphine, bots.....oz.2.10 - 2.20
Apple syrup,[1] bbls.....oz.23.20 -23.70
Archil extract, bbls.....lb. .16 - .16½
Areca nuts, powd., bbls.....lb. No stocks
Arecoline hydrobromide, bots..oz.12.25 - —
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity.lb. .24 - .25
Arnica flowers, bls.....lb. 70.00 -72.00
Arrowroot, powd., bgs., bbls..lb. 3.15 - 3.60
Arsenic,[6] metal, lump, c.l....lb. .10 - .10½
Chloride (arsenous), bots..lb. No prices
Iodide (arsenous), 5-lb. bots.lb. 1.55 - —
jars .....lb. 5.58 - —
Sulphide, yellow, bbls.....lb. 5.43 - —
bots. .....lb. .52 - .55
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .60 - .64
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .04¾- —
powd., bbls., dms.....lb. .45 - .68
Asbestine (see Talk, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines, ton.49.50 - —
5R, bgs., same basis.....ton.44.60 - —
6D, bgs., same basis.....ton.33.00 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., wks.lb. .05¾- .13
jet, bgs. 2,000 lbs., gross weight Colo. mines..ton.30.50 - —
Barbados, Dunellen, N. J...lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Asphaltum, Cuban A, bulk, c.l., N. Y..ton.60.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.32.90 - —
290-295° F. fusing point, bgs., mines..ton.30.50 - —
270° F. fusing point, bgs., mines..ton.30.50 - —
seconds, 370-390° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
300-330° F. fusing point, not uniform, bgs., mines, ton.25.50 - —
jet, bgs., ton lots, gross wght., Colo. mines..ton.30.50 - —
Mexican, ref'd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz.15.00 - —
Sulphate, bots.....oz. 7.75 - 8.15

B

Balm of Gilead buds, bgs.....lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium[6] carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton73.00 - —
l.c.l., same basis.....ton.78.00 - —
bbls., c.l., same basis...ton.75.00 - —
l.c.l., same basis...ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works....lb. .09½- .11
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide)
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 — —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% Ba So_4, bulk, mines..ton. 8.50 - —
Bauxite,[6] blk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. .95 - 1.05
Root, bls.....lb. .90 - 1.00
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde,[6] NF, dms.....lb. .85 - 1.25
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 1.85 - 2.50
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .25 - .26
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks..lb. 1.60 - —
l.c.l., same basis.....lb. 1.85 - —
95%, same basis.....lb. 2.05 - —
98-99%, same basis.....lb. 2.20 - —
Beth root, bls.....lb. .43 - .46
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms, bots., cns.....lb. 1.50 - 1.53
X-ray, 5-lb. bots.....lb. 1.59 - 1.63
fib. dms.....lb. 2.79 - —
Subgallate, NF, bots., cns...lb. 2.73 - —
fib. dms.....lb. 1.49 - 1.53
Subiodide, bots.....lb. 1.40 - 1.43
fib. dms.....lb. 4.19 - 4.25
Subnitrate, USP, powd., bbls., dms..lb. 4.13 - —
bots. .....lb. 1.20 - 1.23
Subsalicylate, USP, 82 - 66%, bbls., fib. dms..lb. 1.29 - 1.33
bots., cns.....lb. 2.50 - —
Sulphocarbolate, bots.....lb. 2.51 - 2.59
fib. dms.....lb. 3.71 - 3.76
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.65 - —
cns. .....lb. 3.40 - —
Bisphenol-A, bgs., c.l., works..lb. 3.45 - 3.50
l.c.l., works.....lb. .22 - —
Black, acetylene,[3] bgs., c.l., works..lb. .23 - —
l.c.l., same basis.....lb. .14 - —
Bone 1A, bgs., bbls., [6]c.l., frt. alld E..lb. .18 - —
2, bgs., bbls., c.l., same basis, lb. .17 - —
3, bgs., bbls., c.l., same basis, lb. .12 - —
4, bgs., bbls., c.l., same basis, lb. .11 - —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. .11¾- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon,[6] heads, compressed, bgs., c.l., works..lb. .03550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½- —
regular, uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., works.....lb. .08¾- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14¼- —
l.c.l., works.....lb. .15¼- —
4, ctns., c.l., works.....lb. .16¼- —
l.c.l., works.....lb. .17¼- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37¼- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .85 - .90
Tree bark, bls.....lb. .30 - .35
Black Indian hemp root, bls....lb. No stocks
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago.. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13¼- —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .75 - 1.00
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celectial, bbls., same basis...lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis....lb. 3.00 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis...lb. .36 - —
Prussian, bbls., same basis, lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color & strength, same basis..lb. .52 - —
permanent, toner, green shade, molybdic..lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis..lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis, lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag root, bls.....lb. .55 - .75
Blue mass, NF, cns., tubs....lb. 1.29 - 1.46
powd., bots., cns., dms.....lb. 1.32 - 1.46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.57.50 -65.00
junk, bulk, same basis....ton.35.00 - —
meal, 4½% ammond., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.43.50 - —
Chicago, works.....ton.51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.38.50 - —
Chicago, works.....ton.37.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .15 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[2] 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.65.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —

Available

We have a technically trained sales organization with long established industrial contacts.

We are appreciative of plant problems and are constantly investigating new products and processes.

Our service includes a thorough coverage of foreign markets.

Consult us now to plan for distribution of your production during the post-war era.

WILLIAM D. NEUBERG COMPANY

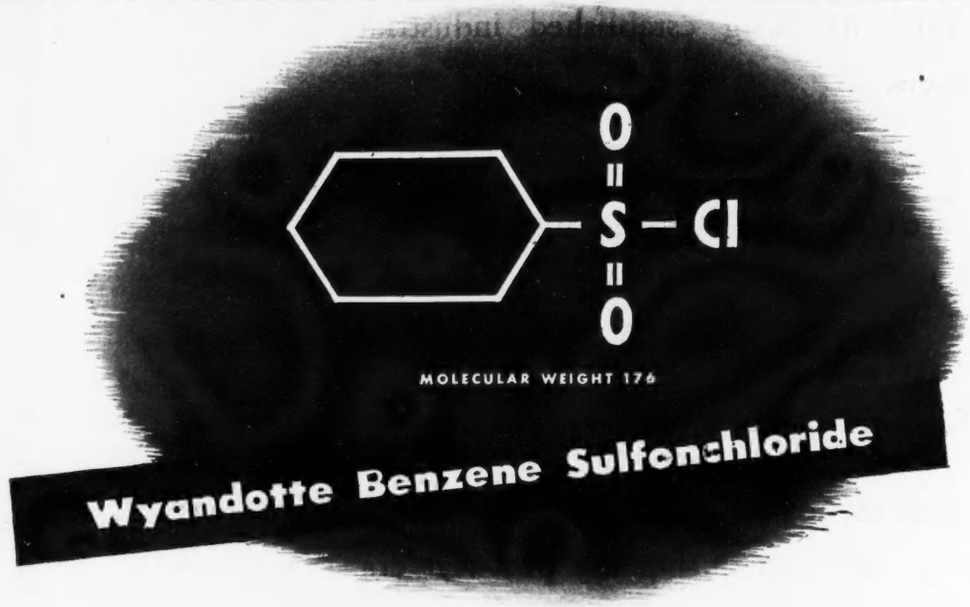
Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.
TELEPHONE LEXINGTON 2-3324

Borax, tech., 99½% powd., bgs., frt. alld..ton 50.00 - —
ton lots, ex whse....ton 61.00 - —
less ton lots, ex whse.ton 66.00 - —
bbls., c.l., frt. alld....ton 60.00 - —
ton lots, ex whse....ton 71.00 - —
less ton lots, ex whse.ton 76.00 - —
USP. $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobronyl thiocyanoacetate).
Brasilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see Al).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .15
Brown,[2] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works..lb. .03¾- .10¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works, lb. .03¾- —
Brown, umber, Amer., Italian type, bbls., works..lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .75 - .80
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss R., lb. .1895- —
l.c.l., frt. same basis, lb. .1945- —
tanks, same basis.....lb. .1795- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
Butyl acetate, synth., tanks, same basis..lb. .10¾- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., works....lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots. .....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cns. .....lb. 4.00 - —
Lithopone (see Yellow).
Metal,[1,4] pat. shapes, cs., dlvd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Red (see Red).
Cadmium selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots .....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.20
smaller lots .....lb. 3.35 - 3.45
Citrated, dms., makers primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots .....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08½
Bromide, jars .....lb. .65 - .70
Carbide,[1,6] dms., c.l., works, ton. 50.00 - —
dlvd. .....ton. 67.00 - 95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper, bgs., c.l., dlvd..ton. 18.50 - 35.00
l.c.l., 15 tons, dlvd...ton. 21.50 - 26.50
5-ton lots .....ton. 28.50 - 41.00
liquor, basis 40%, tanks, wks, ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd. ton. 18.00 - 31.50
solid, 73-75%, dms., l.c.l., 15 tons, dlvd..ton. 21.45 - 25.45
5-ton lots .....ton. 28.45 - 40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs. .....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.29 - —
10-lb. lots .....lb. 1.40 - —
cns., 25 lbs. .....lb. 1.65 - —
Hypophosphite, cns. .....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls. .....lb. .35 - .37
Laurate, bbls. .....lb. .28 - .29
Mandelate, dense, fluffy, dm..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton. 75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs. 100 lbs. 11.40 - 18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works.lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton. 45.00 - —
80%, bgs., c.l., works....ton. 50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls. .....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works, lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 3.25 - 3.30
Calomel,[2] bbls., dms.....lb. 1.88 - 1.89
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. ‡lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .62 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 3.10 - 3.25
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Morocco, dewhiskered, bgs..lb. .69 - .70
Syrian, dewhiskered, bgs....lb. .66 - .67
Spanish, dewhiskered, bgs...lb. .68 - .70
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] c.p., dms., c.l., lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —



ANOTHER *U.C.P. CHEMICAL

PROPERTIES OF BENZENE SULFONCHLORIDE

	TECHNICAL	REFINED
Physical characteristics	Dark brown liquid	Water white liquid
Purity	85–90%	97–100%
Melting point	8–14.5° C	14.5° C
Distillation range	220–425° C	244–250° C
Water solubility	Very slight	Very slight
Specific gravity	Approximates refined	1.36 @ 15° C
Weight per gallon	Approximates refined	11.34 lbs. @ 25° C

**Undiscovered Commercial Potential*

Wyandotte now offers, for your investigation, benzene sulfonchloride in both technical and refined grades. It undergoes most of the reactions of typical acid chlorides, but also under certain conditions acts as a chlorinating agent, or as an oxidizing agent. It hydrolyzes slowly. Its reactions with amines, alcohols, amides, reducing agents, and other compounds should make it of value in organic syntheses, and in the preparation of dyestuffs, tanning agents, pharmaceuticals, plasticizers and other products.

Members of Wyandotte's Technical Staff are at your service in any investigation you may wish to make into the properties and applications of benzene sulfonchloride. Write for samples — today!

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Soda Ash • Caustic Soda • Chlorine • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Dry Ice • Aromatic Intermediates • Hydrogen

Carbon tetrachloride, Zone 4, 5 or 10-gal. dms, c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, cs.....lb. 1.30 - 1.40
decorticated, cs.....lb. .95 - 1.00
green, bgs.....lb. .60 - .62
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvel, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk....lb. .31 - .32
Case hardening mixture, 30%, gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,6] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis, lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20, same basis, lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .18½- .19
rennet-precip., unground, bgs., 100 bgs. or more..lb. .21 - .21½
Cassia.[1] .....lb. No stocks
Cassia fistula, bskts.....lb. .23 - .24
Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.50 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, fib. dms., tins..lb. 2.25 - 2.40
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .27 - .28
Celery seed,[1] Indian, bgs.....lb. .19½- .20
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis.lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
Chamomile, Hungary type, cs..lb. .50 - .60
Roman, bls.....lb. No stocks
Charcoal, pinewood,[5,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..100 lbs. 2.85 - 3.85
l.c.l., works.....100 lbs. 3.10 - 4.10
tanks, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works..100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silkbolt 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse, ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[2,6,6] liquid, cyls., c.l.lb. .05¼- —
contracts .....lb. .06¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..... 100 lbs.2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1, wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis....lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls, lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bot.....lb. 6.03 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
broken, bgs.....lb. .19 Nom.
yellow, quill, bgs.....lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 oz..oz. .80 + .13½*
sulphate, NF, cns., 100 ozs..oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs.oz. .66 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, bots.....lb. 3.70 - 3.80
dms. .....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.00 - 3.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment,[2] jars.....lb. .91 - 1.11
Citronellal, bots., dms.. .....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Madagascar, bls.....lb. .18½- .19
Zanzibar, bls.....lb. .21½- .22
Balto., bls.....lb. .19½- .20
Clover tops, red bgs.....lb. No prices.
Coaltar, coal-gas, crude, bbls., l.c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works..bbl. 6.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .06½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., kgs..lb. 1.25 - —
Hygrade,[6] bbls. .....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —
Linoleate, paste, 8%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Cobalt nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls. .....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls. .....lb. .18 - .20
Colchicine, bots., cns.....oz. No stocks.
Cochicum seed .....lb. No stocks.
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
flexible, USP, dms. .....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .60 - .65
Colombo root, bls.....lb. .17 - .18
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bg.....lb. .12 - .15
Copaiba balsam, Peru, cns....lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52
Copper acetate,[6] cupric, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - .50
Carbonate,[6] 52-54%, bbls....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls. .....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots. .....lb. 5.15 - 5.19
Metal,[1,6] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[6] tech., cryst., bbls..lb. .16¾- .20
Oleate, precip., bbls.....lb. .22½- .29½
Oxide,[6] black, bbls., works..lb. .19 - .26
red, com'l, kgs.....lb. .20 - .22
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.3% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms., c.l., dlvd..100 lbs. 9.95 - —
l.c.l., same basis...100 lbs.10.95 - —
dms., c.l., dlvd., same basis, 100 lbs. 8.95 - —
l.c.l., same basis...100 lbs. 9.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25, works.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander seed,[1] Indian, bgs..lb. No stocks
Morocco, bgs.....lb. No stocks
Cornsilk, bls.....lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs.3.905 - —
slabs, bbls., c.l.....100 lbs.3.825 - —
Syrup, 42°, bbls., c.l.....100 lbs.4.221 - —
43°, bbls., c.l.....100 lbs.4.271 - —

what's new... CHOLINE!

Are you giving consideration to this new member of the vitamin B complex?

This new vitamin is currently the subject of much clinical research, and is rapidly gaining recognition. Recent clinical experiments with choline show promise in the alleviation of cirrhosis of the liver.

Results with experimental animals indicate that a dietary deficiency of choline produces various pathological symptoms, including fatty and cirrhotic livers, hemorrhagic kidneys and bone deformities.

Other potential uses of choline are outlined, in detail, in Calco technical literature . . . which is available upon request.

Choline is offered by Calco in two forms: (1) CHOLINE CHLORIDE, which is the most commonly used salt of choline; and (2) CHOLINE DIHYDROGEN CITRATE, which is a more recently developed form developed by Calco for pharmaceutical use.

CHOLINE DIHYDROGEN CITRATE has a pleasantly acid taste and is somewhat less hygroscopic than the chloride, consequently it is more suitable for use in pharmaceutical preparations.

New Products

Choline Chloride
Choline Dihydrogen Citrate

★

Ask, Also, About These Other Available CALCO Products

Sulfadiazine U.S.P. and Sodium Salt
Sulfapyridine U.S.P. (and Sodium Monohydrate)
Nicotinamide U.S.P.
Sulfanilamide U.S.P.
Cinchophen N.F.
Neocinchophen U.S.P.
Sulfathiazole U.S.P. (and Sodium Monohydrate)
Mandelic Acid U.S.P.
Methylene Blue U.S.P. (Powder-Crystals)
Calcium Mandelate U.S.P.
Glutamic Acid HCL
Calcium and Sodium Pantothenate
Menadione
Phenothiazine (For Veterinary Use)
Certified Colors for Pharmaceutical and Cosmetic Use

ARMY E NAVY

Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY

Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 1.59 - —
gran., powd., dms., 50 lbs. or more..lb. 1.44 - —
Cottonroot bark, bls.....lb. .18 - .19
Cottonseed hull ash, 33-36% potash, bgs., dlvd..unit-ton. 1.00 - —
Meal,[1] 41% protein, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs. .....lb. .58½- —
Creosote carbonate, bots., cbys., lb. 2.10 - 2.39
Coaltar, oil,[3] crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works..gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots.....lb. 1.04 - —
cbys., dms.....lb. .85 - —
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[3,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —

Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cyanamide,[3] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —

Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nov., N. D., N. M., Okla., S. D., Utah, and Wyo.

Cyclohexanol, 98-100%, works..lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —

Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.

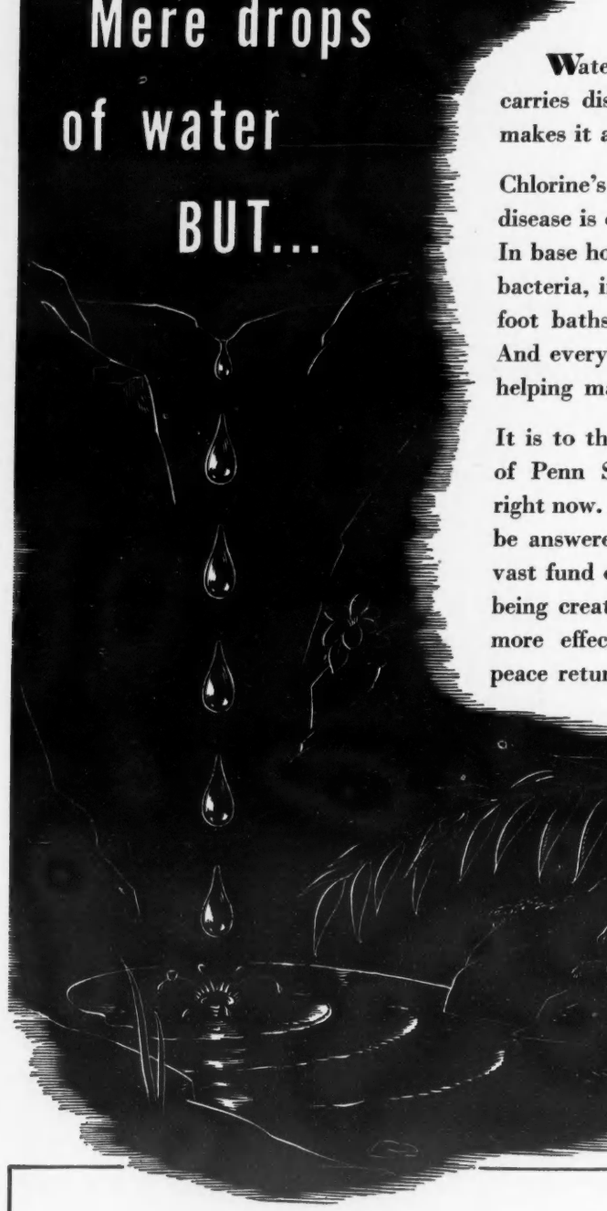
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .30 - .32
Lecanol,[6] normal, tech., dms., dlvd..lb. .35 - —

Deertongue, bls.....lb. .23 Nom.
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1,6] common, bbls.....lb. .10 - .12
neutral, 2% ffa, bbls.....lb. .26 - .29
over 2% ffa, bbls.....lb. .25 - .27
Damiana leaves, bls.....lb. .16 - .17
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.92 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l.....100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 6.00 - 7.00
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP., bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific Coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00

Diatomaceous earth, imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2490- —
1-gal. cns., same basis..lb. .2690- —
dms., c.l., same basis....lb. .1960- .2110
l.c.l., same basis.....lb. .2010- .2160
tanks, same basis.....lb. .1860- .2110
Sebacate, dms., works.....lb. .497 - .517
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .14 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .3020- —
l.c.l., dlvd.....lb. .3070- —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniliin, dms.....lb. .40 - —
Diethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether,[6] dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, later delivery, bgs..lb. .17 - .17½
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l.....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol)
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin,[6] dms., tons, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,6] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .55 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] bgs., ex dock.....ton.68.00 -70.00
Doggrass root, imp., cut, NF, bls..lb. .50 - .55
dom., bls.....lb. .36 - .45
Dogwood bark, Jamaica, bls...lb. .15 - .20
Dover's powder, USP, cns.....lb. 2.75 Nom.
Dragon's blood, reeds, cs.....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs andt cosmetics—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 1 cns. lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics—
Black, D&C black, No. 1, cns. lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses[6] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00



Mere drops of water BUT...

Water can be either friend or foe. When it carries disease, water is a deadly foe. Chlorine makes it a friend.

Chlorine's protective armor against water-borne disease is defending our armed forces everywhere. In base hospitals Chlorine guards wounds against bacteria, in camp laundries it protects clothes, in foot baths it battles common fungus infections. And everywhere, Chlorine and its compounds are helping make drinking water safe.

It is to these purposes that the principal output of Penn Salt Chlorine Products are dedicated right now. As you can see, military demands must be answered first. But while this is happening a vast fund of experience and expanded facilities is being created. And this will be dedicated to the more effective service of our customers when peace returns again.

PENNSYLVANIA SALT MANUFACTURING COMPANY
Chemicals
1000 WIDENER BUILDING, PHILADELPHIA 7, PA.
New York • Chicago • St. Louis • Pittsburgh • Cincinnati • Minneapolis • Wyandotte • Tacoma

SOME OF THE PRODUCTS MANUFACTURED BY PENN SALT:

ACIDS, Sulphuric, Muriatic, Mixed Acids, Hydrofluoric, Hydrofluosilicic, Nitric • AMMONIA • ALUM, Sulfate of Alumina • HYDRATE OF ALUMINA • BLEACHING POWDER • AMMONIA, Anhydrous and Aqua • CARBON BISULPHIDE • CARBON TETRACHLORIDE • CAUSTIC SODA • CORROSION-RESISTING CEMENTS • LIQUID CHLORINE • FERRIC CHLORIDE • FLUORIDES AND FLUOSILICATES • HYDROGEN PEROXIDE • *KRYOLITH Flux and Opacifier • *KRYOCIDE Insecticide • ORTHOSIL AND *PENNSALT METAL CLEANERS • SAL AMMONIAC • SODIUM ALUMINATE.

*Trade-marks Reg. U. S. Pat. Off.

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale):—

165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202, Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
496 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Black—
865 Nigrosin derivatives..lb. .36 - .44

Blue—
7075 Alizarin astral base.lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —

Brown—
Brown .....lb. 1.15 - —

Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —

Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red—
75 Sudan II.....lb. 1.05 - —
268 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue F.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
332 Bismarck brown R..lb. .47 - .62
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol Red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —

Red:—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841..Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .65 - —

Dyes natural (see name of article).

E

Echinacea root, bls.....lb. .95 - 1.00
Egg[1] albumen (see Albumen).
Yolk, dried, dom.....lb. 1.09 - 1.15
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .58 - .59
Elecampane root, bls.....lb. No stocks
Elm bark, grinding, bls.....lb. .15 - .18
powd., bbls., bxs.....lb. .25 - .26
select, bndls.....lb. .40 Nom.
Emetine[6] hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
Hemihydrate, bots., 100 ozs. oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.00 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l. .....lb. .08 - .09

Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, dms.....lb. 1.40 - 1.45
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic ..see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[2,6] 85-90%, dms., c.l., frt. alld..lb.11.70 -12.75
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld.. lb. .1223- .1335
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½
Ethyl acetoacetate, dms., c.l., works..lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E....lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, dms., f.o.b. Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works.lb. .50 - —
smaller lots, same basis....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[2] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0743- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol,[2,6] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] d m s., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylethanolamine, d m s., c.l., works..lb. .67 - —
l.c.l., works.....lb. .60 - —
Ethylmorphine hydrochloride, bots..oz.10.55 -10.75
Ethyldinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more, lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 3.00
Encalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min., 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 - 12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works..ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00

SPOT DELIVERIES

LACTIC ACID U.S.P.

Heavy Calcined Magnesia
Sodium Sulfite, Foto Grade
Sodium Citrate, U.S.P.
Tricalcium Phosphate, U.S.P.
Zinc Sulfate

ZINC CHLORIDE SOLID

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE •• NEW YORK 17, N. Y. • PHONE LE 2-9740

Fennel seed, Argentine, bgs.	lb.	No stocks	
Indian, bgs.	lb.	.16½	Nom.
Fenugreek seed, domestic, bgs.	lb.	.18 -	.18½
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	No stocks	
Ferric sulphate, anhyd., bgs., c.l., works.	ton.	35.00 -	—
l.c.l., same basis.	ton.	40.00 -	—
Film scrap, colored, cs., 50 lbs. or over, works.	lb.	.13½-	—
smaller lots, works.	lb.	.15 -	—
water white, cs., 50 lbs. or over, works.	lb.	.14½-	—
smaller lots, works.	lb.	.17 -	—
Fir balsam, Canada, cns.	gal.	19.00	-20.00
Oregon, bbls.	gal.	2.35 -	2.50
Fishberries, bgs.	lb.	.23 -	.24
Fishoils (see Oil, fishliver).			
Fishmeal,[1] grd., 60% protein, bgs., E. works.	ton.	72.50 -	—
65% protein, same basis.	ton.	78.50 -	—
Fishscrap, dried, 60% protein, bulk, East Coast.	ton.	66.50 -	—
Flake white, bbls.	lb.	.09 -	—
kegs	lb.	.11 -	—
Flaxseed, French, black, bgs.	lb.	.70 -	.73
Indian, blonde, bgs.	lb.	.13 -	.16
Fluorspar,[1] No. 1, ground, 95-98% CaF_2, bulk, c.l., mines. net	ton.	37.00 -	—
washed gravel, 70% or more CaF_2, mines. net	ton.	33.00 -	—
65%, mines. net	ton.	32.00 -	—
60%, mines. net	ton.	31.00 -	—
less than 60%, mines. net	ton.	30.00 -	—
Formaldehyde,[1,2] bbls., kgs., c.l., works.	lb.	.0550-	—
l.c.l., works.	lb.	.06 -	—
dms., c.l., works.	lb.	.0490-	—
l.c.l., works.	lb.	.0540 -	—
tanks, works.	lb.	.0360 -	—
Fringetree bark, bls.	lb.	No stocks	
Fuller's earth, dom., powdered, bgs., c.l., Fla., Ga. mines.	ton.	8.50	-15.00
Tex. mines.	ton.	12.50 -	—
spent, bulk, Bayonne.	ton.	3.00 -	—
Chicago	ton.	4.00 -	—
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural,[2] ref., dms., c.l., works.	lb.	.15 -	—
l.c.l., works.	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs.	lb.	.10 -	—
c.l., works.	lb.	.12½-	—
l.c.l., works.	lb.	.15 -	.20
tanks, works.	lb.	.09 -	—
Fusel oil, crude, dms., works.	gal.	.75 -	—
refd., dms., dlvd.	lb.	.18½ -	.19½
Fustic, cryst., No. 1, bbls.	lb.	.32 -	—
No. 2, bbls.	lb.	.30 -	—
No. 3, bbls.	lb.	.28 -	—
extract, No. 1, bbls.	lb.	.16 -	—
No. 2, bbls.	lb.	.15 -	—
No. 3, bbls.	lb.	.12½-	—

G

G salt, bbls.	lb.	.45 -	—
Galangal root, bls.	lb.	.30	Nom.
Gambier, cube, Singapore, cs.,	lb.	No stocks	
extract, bbls.	lb.	No stocks	
Gasoline[1] at refinery, ex tax:—			
Arkansas, US motor, 72-74 octane, leaded, tanks.	gal.	.06 -	—
Bayonne, 70 oct., tanks.	gal.	.092 -	—
72-74 octane	gal.	.092 -	.094
California, 75 oct., tanks.	gal.	.07½-	—
Gulf Coast, US motor, 72-74 octane, tanks.	gal.	.06 -	.06¾
80 octane, tanks.	gal.	.06¾-	.07
Group 3, 72-74 octane, leaded, tanks.	gal.	.06¾-	.07
80 octane, tanks.	gal.	.07¼-	.07½
natural, 26-70, tanks.	gal.	.04¾-	.05
Oklahoma-Texas, US motor, 72-74 octane, tanks.	gal.	.05½-	.06
Pennsylvania, western, U. S. motor 70-72 octane, leaded, tanks.	gal.	.08¼-	.08½
Gelatin, silver, label, ctns., dlvd.	lb.	.90 -	.97
export, cases.	lb.	1.00 -	—

Silver gelatin prices 5c. nigher for deliveries in:—Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., and Wyo.

Geisemium root, bls.	lb.	.23 -	.25
Gentian root, bls.	lb.	.41 -	.42
grd., bbls., bxs.	lb.	.46 -	.47
powd., bbls., bxs.	lb.	.47 -	.48
Geraniol, 92-96% ons., dms.	lb.	3.50 -	4.50
Ginger,[1] African, No. 1, bls.	lb.	No stocks	
Calicut, bgs.	lb.	.24½-	.25
Cochin, bleached, bgs.	lb.	.28 -	.29
unbleached, bgs.	lb.	.25½	Nom.
Jamaica, No. 1, bgs.	lb.	.30 -	.31
No. 2, bgs.	lb.	.26½-	.27
No. 3, bgs.	lb.	.25½-	.26
Ginseng root, wild, South, cs.	lb.	8.00 -	9.00
Glaubers salt, anhyd. (see Soda sulphate).			
Glaubers salt, cryst., bgs., bbls., c.l., works.	100 lbs.	1.05 -	1.25
l.c.l., 5 tons up, works.	100 lbs.	1.15 -	1.35
less than 5 tons, works.	100 lbs.	1.25 -	1.45
Glue, bone,[2] producers', calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 -	—
50/58, bgs., c.l., same basis.	lb.	.15½-	—
58/82, bgs., c.l., same basis.	lb.	.17 -	—
82/108, bgs., c.l., same basis.	lb.	.18½-	—

Producers' bone glue l.c.l. prices 1c. over c.l.

hide, producers,[1,2] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.16 -	.21½
122-149, bgs., c.l., dlvd.	lb.	.17 -	.22½
150-177, bgs., c.l., dlvd.	lb.	.18 -	.23½
178-206, bgs., c.l., dlvd.	lb.	.19 -	.24½
207-236, bgs., c.l., dlvd.	lb.	.20 -	.25½
237-266, bgs., c.l., dlvd.	lb.	.21 -	.26½
267-298, bgs., c.l., dlvd.	lb.	.22 -	.27½
299-330, bgs., c.l., dlvd.	lb.	.23 -	.28½
331-362, bgs., c.l., dlvd.	lb.	.24 -	.29½
363-394, bgs., c.l., dlvd.	lb.	.25 -	.30½
395-427, bgs., c.l., dlvd.	lb.	.26 -	.31½
428-460, bgs., c.l., dlvd.	lb.	.27 -	.32½
461-494, bgs., c.l., dlvd.	lb.	.28 -	.33½
495-529, bgs., c.l., dlvd.	lb.	.29 -	.34½

Hide glue l.c.l., prices 1c. over c.l. Glue in bbls., ½c over bgs. Outside prices rule on glues made wholly of imported materials; inside prices on glues made with approximately two-thirds domestic and one-third imported materials. Jobbers' prices 2c. to 3½c. over producers'. Chrome and coney glue, 267 or higher jellygram, c.l., 2c. over above prices; below 267 jellygram, 1c. higher. Freight charges above 75c. per 100 pounds may be added.

Glycerin,[1,2] CP, BP, 95%, dms., c.l., dlvd. Zones A and C.	lb.	.18¾-	—
l.c.l., same basis.	lb.	.19¼-	—
tanks, same basis.	lb.	.18½-	—
USP, 95%, dms., c.l., same basis.	lb.	.18¼-	—
l.c.l., same basis.	lb.	.18¾-	—
tanks, same basis.	lb.	.18 -	—
Glycerin, dynamite, high gravity, yellow distilled, dms., c.l., same basis.	lb.	.18¼-	—
l.c.l., same basis.	lb.	.18¾-	—
tanks, same basis.	lb.	.18 -	—

Chemically pure and dynamite glycerin are sold to the U. S. government at prices 1c. lower than above.

saponification, 88%, to refiners, dms., c.l., l.c.l., or tanks, same basis.	lb.	.12¾-	—
to individual users, dms., c.l., same basis.	lb.	.13¾-	—
l.c.l., same basis.	lb.	.14¾-	—
tanks	lb.	.12¾-	—
soaplye, 80%, dms., tanks, c.l., l.c.l.	lb.	.11¼-	—

Glycerin prices in Zone B, 2c. higher.

Zone A is:—Col., east of but not including these counties:—Costilla, Custer, Douglass, Fremont, Gilpin, Grand, Huerfano, Jackson, Jefferson, and Teller; all points east of and including Kan., Neb., N. Dak., Omaha, S. Dak., Texas, and Laramie county, Wyo. Zone B is territory between Zone A and C, as follows:—Ariz., Col., west of and including counties specified above Nev., New Mex., Ore., east of and including these counties:—Deschutes, Hood River, Jefferson, Klamath, and Wasco; Wash., east of and including these counties:—Chelan, Kittitas, Kilchat, Okianogan, and Yakima.

Zone C, territory west of Zone B.

Glycine, medicinal, bbls., tins.	lb.	1.25 -	1.30
Glycol boriborate, dms.	lb.	.22 -	—
Stearate, dms.	lb.	.26 -	—
Gold of pleasure seed, bgs.	lb.	No stocks	
Gold chloride, acid-brown, bots.,	oz.	20.75	-21.00
acid-yellow, bots.	lb.	18.75	-19.00
Gold-soda chloride, photo., bots., USP IX, bots.	oz.	14.50	-14.75
	oz.	13.00 -	—
Goldenseal root, bls.	lb.	7.00 -	7.50
powd., bxs.	lb.	7.25 -	7.75
Grain of Paradise, bgs.	lb.	No stocks	
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., works.	lb.	.04½-	—
70-75%, bgs., same basis.	lb.	.05 -	—
75-80%, bgs., same basis.	lb.	.05½-	—
80-85%, bgs., same basis.	lb.	.06 -	—
85-90%, bgs., same basis.	lb.	.07 -	—
90% and up, same basis.	lb.	.08 -	—
Grease,[1,5] house, loose.	lb.	.06¾-	—
white, choice, loose.	lb.	.06¾-	—

Wool (see Adeps lanae and Degras).

Green, brilliant,[2] thioflavin toner, tungstic, kgs., works.	lb.	3.75 -	—
molybdic, same basis.	lb.	3.25 -	—
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.23 -	—
11-15%, bbls., same basis.	lb.	.25 -	—
20%, bbls., same basis.	lb.	.25½-	—
21-25%, bbls., same basis.	lb.	.26 -	—
26-30%, bbls., same basis.	lb.	.26½-	—
31-35%, bbls., same basis.	lb.	.27½-	—
36-40%, bbls., same basis.	lb.	.29 -	—
41-45%, bbls., same basis.	lb.	.30¼-	—
46-50%, bbls., same basis.	lb.	.33 -	—
Green, chrome, reduced color, 5%, bbls., same basis.	lb.	.06¾-	—
9-10%, bbls., same basis.	lb.	.07½-	—
11-13%, bbls., same basis.	lb.	.08 -	—
14-16%, bbls., same basis.	lb.	.08¼-	—
17-19%, bbls., same basis.	lb.	.08½-	—
20-21%, bbls., same basis.	lb.	.08¾-	—
22-23%, bbls., same basis.	lb.	.09 -	—
24-25%, bbls., same basis.	lb.	.09¼-	—
26-27%, bbls., same basis.	lb.	.09½-	—
28-29%, bbls., same basis.	lb.	.10 -	—
30-31%, bbls., same basis.	lb.	.10¼-	—
32-33%, bbls., same basis.	lb.	.12 -	—
34-35%, bbls., same basis.	lb.	.13 -	—
36-40%, bbls., same basis.	lb.	.14 -	—
41-45%, bbls., same basis.	lb.	.17 -	—
46-50%, bbls., same basis.	lb.	.17½-	—
51-55%, bbls., same basis.	lb.	.18 -	—
56-60%, bbls., same basis.	lb.	.18½-	—
61-65%, bbls., same basis.	lb.	.19 -	—
70%, bbls., same basis.	lb.	.20 -	—
71-75%, bbls., same basis.	lb.	.21 -	—

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Oxide,[6] pure, dms., works.	lb.	.24 -	—
Malachite,[1] thioflavin toner, tungstic, bbls., works.	lb.	3.50 -	—
molybdic, bbls., works.	lb.	3.00 -	—
Phthalocyanin,[1] green toner, bbls., works.	lb.	4.00 -	5.00
tetrahydroxide, bbls.	lb.	.85 -	—

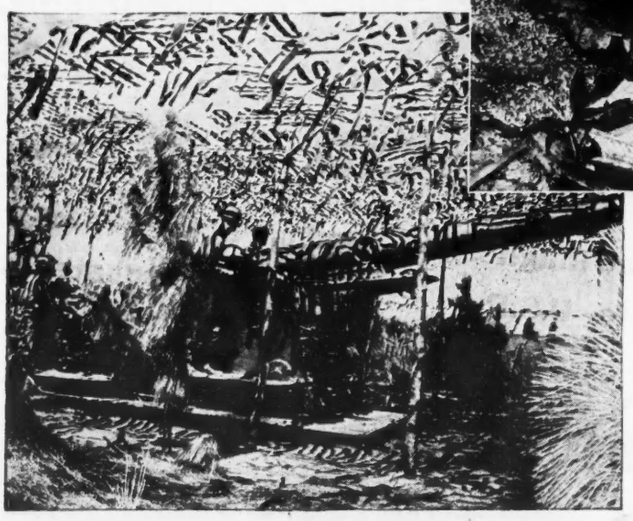
Paris (see P).

Tungstated, brilliant, kgs.	lb.	3.00 -	—
emerald, kgs.	lb.	2.60 -	—

Verdigris (see V).

Life ON THE

(*Right*) **LOOK CLOSELY** and you will see *Rana pipiens*, better known as the leopard frog, which nature has made scarcely discernible against the rustic background through clever color camouflage. This demonstrates perfectly the ultimate aim in man-made camouflage, for the frog has hidden himself in plain sight by color resemblance to his background. The effect is achieved with both disruptive color patterns and obliterative shading. Similar results are being accomplished today by camouflage experts in concealing military equipment, vital installations, whole communities, as well as the individual soldier, with uniforms which conform to the colors of the battlegrounds. The use of the "shrimp net" shown below is a typical example of expert military camouflage of equipment.



(*Left*) **HERE IS A CAMOUFLAGED HOWITZER,** the largest mobile field piece in the army. It is effectively concealed with a "shrimp net" impregnated with colored resin emulsions of the type developed by the Calco Chemical Division of American Cyanamid Company. Nets treated with these emulsions, thrown over objects, render them indistinguishable to the human eye from a distance. They are also proof against photography since their tone values and infrared reflectance exactly match those of the backgrounds on which they are used. Moreover, these Calco emulsions are water-miscible to reduce the fire hazard during processing, and include both mildew and flame-proofing agents to speed up and simplify their use. This multiple achievement was made possible by Calco's long and varied experience as one of America's leading manufacturers of dyes and organic chemicals and by the extensive research facilities of American Cyanamid.

(*Left*) **A "HALF-TRAC" HAS ROUGH DUTY** as it plows through mud and water doing scout duty in front of tanks. Surface coatings for these "half-tracs," tanks, trucks, guns, jeeps, and other mobile equipment of the Army must conform to government specifications to supply the utmost in protection against exposure to the elements and the deteriorating effects of other varied and tough conditions of service.

Many synthetic resin vehicles such as REZYL*, TEGLAC*, BEETLE*, MELMAC* and PHENAC** developed by Cyanamid, are helping the paint industry to meet exacting government specifications for surface coatings that can stand up and take it under all types of service conditions on land, at sea and in the air. The "proving ground" of effective wartime use for Cyanamid's synthetic resin vehicles will provide new advantages in surface coating developments for many types of civilian goods applications in the future. Full details on the properties and characteristics of Cyanamid synthetic resin vehicles are covered in special technical bulletins issued by Cyanamid. These may be obtained upon request.

Green dyes (see Dyes, green).		
Grindelia robusta, bls.	lb.	.18 - .39
Guaiac resin, cs.	lb.	.48 - .49
Wood, bls.	lb.	.05 - .06
Guaiacol, liq., dms.	lb.	1.75 - 2.01
Carbonate, fib. dms.	lb.	2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works.	lb.	.57 - —
smaller lots.	lb.	.58 - .73½
Guarana, powd., cs.	lb.	No prices
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.	lb.	1.20 - 1.25
Arabic, amber, sorts, bgs.	lb.	.11½ - .12
white, sorts, 1, bgs.	lb.	.28 - .30
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs.	lb.	3.00 - 3.50
Sumatra, cs.	lb.	.52 - 1.00
Camphor (see C).		
Copal, Congo, sorted No. 30, bgs., c.l., ex dock, whse.	lb.	.55⅝- —
31, bgs., same basis.	lb.	.21½- —
32, bgs., same basis.	lb.	.15⅝- —
33, bgs., same basis.	lb.	.14 - —
34, bgs., same basis.	lb.	.09½- —
35, bgs., same basis.	lb.	.15⅞- —
36, bgs., same basis.	lb.	.12⅝- —
37, bgs., same basis.	lb.	.18½- —
38, bgs., same basis.	lb.	.12¼- —
39, bgs., same basis.	lb.	.10⅝- —
40, bgs., same basis.	lb.	.08 - —
41, bgs., same basis.	lb.	11⅝- —
unsorted, No. 1, bgs., c. same basis.	lb.	.14⅝- —
2, bgs., c.l., same basis.	lb.	.12⅝- —
3, bgs., c.l., same basis.	lb.	.11¼- —
FAD, bgs., c.l., same basis.	lb.	.14⅞- —
East India,[1] batu, bold, scraped, bgs., c.l., same basis.	lb.	.10¼- —
unscraped, same basis.	lb.	.09 - —
chips, same basis.	lb.	.12 - —
dust, same basis.	lb.	.06¼- —
Gum, copal, East India, nubs and chips, same basis.	lb.	.05¾- —
black, bold, scraped, bgs., ex dock or port, whse.	lb.	.12 - —
unscraped	lb.	.07½- —
nubs and chips, same basis.	lb.	.07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis.	lb.	.17⅝- —
chips, same basis.	lb.	.11½- —
dust, same basis.	lb.	.05½- —
nubs, same basis.	lb.	.13⅝- —
Singapore, Fasak, bold, bgs., same basis.	lb.	.22⅜- —
chips, same basis.	lb.	.11¾- —
dust, same basis.	lb.	.05½- —
nubs, same basis.	lb.	.16⅝- —
Macassar,[1] dust, bgs., c.l., same basis.	lb.	.07⅜- —
MA, same basis.	lb.	.09¾- —
MB, same basis.	lb.	.09¼- —
WS, bgs., same basis.	lb.	.11⅝- —
Manila, Boeas,[1] hard, bold, amber, light, bskts., c.l., same basis.	lb.	13½- —
dark, light, same basis,	lb.	.14½- —
white, same basis.	lb.	.15½- —
Loba,[1] A, bgs., c.l., same basis.	lb.	.14 - —
B, same basis.	lb.	.13¾- —
C, same basis.	lb.	.13⅜- —
CBB, same basis.	lb.	.12 - —
CNE, same basis.	lb.	.10 - —
D, same basis.	lb.	.12⅝- —
DBB, same basis.	lb.	.11 - —
DE, same basis.	lb.	.09½- —
DU, same basis.	lb.	.08¾- —
dust, same basis.	lb.	.07⅝- —
MB, same basis.	lb.	.09¼- —
WS, same basis.	lb.	11⅜- —
Gum, copal, Manila-Singapore,[1] white split chips, bgs., c.l., same basis.	lb.	.15½- —
dust, same basis.	lb.	.07⅝- —
whse., entry point, c.l., lb.	lb.	.08¾- —
Philippine,[1] Manila, extra bold, pale scraped, bskts., same basis.	lb.	.15 - —
bold, pale scraped, same basis.	lb.	.15 - —
extra, pale, bold sorts, same basis.	lb.	.12⅜- —
pale chips, bold, same basis.	lb.	.13 - —
nubs, WCB, same basis, lb.	lb.	.12⅜- —
seeds, dust, same basis.	lb.	.08⅜- —
SG, same basis.	lb.	.10½- —
small chips, same basis.	lb.	.11⅝- —
Pontianak, bold, scraped, bgs., c.l., same basis.	lb.	.23⅜- —
mixed, same basis.	lb.	.17⅝- —
chips, small, same basis.	lb.	.12⅜- —
cuttings of split, same basis. lb.	lb.	.19½- —
nubs, same basis.	lb.	.13 - —
Gum copal, l.c.l. prices ¼c. to ½c. higher.		
Dammar,[1] Batavia, A, cs., c.l., same basis.	lb.	.35⅞- —
A/C, same basis.	lb.	.31¼- —
A/D, same basis.	lb.	.28⅜- —
A/E, same basis.	lb.	.25⅝- —
B, same basis.	lb.	.34⅝- —
C, same basis.	lb.	.29⅝- —
D, same basis.	lb.	.25⅝- —
E, same basis.	lb.	.18⅝- —
F, same basis.	lb.	.13⅝- —
dust, same basis.	lb.	.13⅜- —
Gum, dammar, Singapore,[1] No. 1, cs., c.l.	lb.	.30⅝- —
2, bgs., same basis.	lb.	.25 - —
No. 1, 3, bgs., same basis.	lb.	.12⅝- —
chips, cs., same basis.	lb.	.23⅛- —
dust, bgs., same basis.	lb.	.13 - —
seeds, cs., same basis.	lb.	.17⅝- —
Gum dammar, l.c.l. prices ¼c. to ½c. higher.		
Elemi,[1] cns.	lb.	.09½- .09¾
Ester, ord., dms., c.l., divd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.09¼- —
other points, divd.	lb.	.10 - .11
l.c.l., divd. Ill., Ind., etc.,	lb.	.09¾- .10
other points, divd.	lb.	.10¼- .12
Euphorbium, cs.	lb.	1.50 Nom.
Galbanum, cs.	lb.	1.60 - 1.65
Gamboge, pipe, cs.	lb.	No stocks
powd., bbls.	lb.	No stocks
Guaiac (see Guaiac resin).		
Karaya, bbls., bxs., dms.	lb.	.18 - .45
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.	lb.	.18 - —
80%, same basis.	lb.	.16 - —
dust, same basis.	lb.	.12½- —
nubs, same basis.	lb.	.24 - —
No. 1 extra, same basis.	lb.	.34 - —
superior, same basis.	lb.	.31 - —
No. 2 extra, same basis.	lb.	.30 - —
superior, same basis.	lb.	.27½- —
No. 3, same basis.	lb.	.23 - —
x, same basis.	lb.	.36 - —
3x, same basis.	lb.	.49 - —
bush, assorted, same basis.	lb.	.35 - —
bold, same basis.	lb.	.40 - —
bright, same basis.	lb.	.18 - —
chips, same basis.	lb.	.32 - —
dark, same basis.	lb.	.18 - —
white, chips, pale, same basis.	lb.	.20¾- —
extra, same basis.	lb.	.25½- —
dust, pale, same basis.	lb.	.20¾- —
extra, No. 1, same basis.	lb.	.43 - —
No. 2, same basis.	lb.	.31 - —
No. 3, same basis.	lb.	.30 - —
superior, No. 1, same basis.	lb.	.41 - —
No. 2, same basis.	lb.	.31 - —
No. 3, same basis.	lb.	.22 - —
3x, same basis.	lb.	.65¼- —
4x, same basis.	lb.	.66 - —
5x, same basis.	lb.	1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.		
Locust bean, powd., bbls.	lb.	.75 - .80
Mastic, cs.	lb.	5.00 Nom.
Myrrh, cs.	lb.	.50 - .60
Olibanum, siftings, cs.	lb.	.11¼- .12
tears, cs.	lb.	.18 - .30
Opium (see O).		
Red (see Gum, Yacca).		
Rosin (see R).		
Sandarac,[1] cs.	lb.	1.40 Nom.
Scammony, cs.	lb.	1.30 - 1.35
Talha, bgs.	lb.	.10 - .11
Tragacanth, No. 1, cs.	lb.	4.50 - 5.00
No. 2, cs.	lb.	4.00 - 4.50
No. 3, cs.	lb.	2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse.	lb.	.06 - —
powdered	lb.	.07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	22.65 - —
Harlem River, N. Y., frt. equald.	ton.	28.25 - —
Medicine Lodge, Kan., frt. equald.	ton.	17.00 - —
New Brighton, N. Y., frt. equald.	ton.	28.25 - —
Southard, Oklahoma, frt. equald.	ton.	17.00 - —
Sweetwater, Texas, frt. equald.	ton.	21.45 - —
Plaster of paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt. equald.	ton.	12.50 - —
Acme, Tex., frt. equald.	ton.	12.50 - —
Harlem River, N. Y., frt. equald.	ton.	13.00 - —
Medicine Lodge, Kans., frt. equald.	ton.	12.50 - —
New Brighton, N. Y., frt. equald.	ton.	13.00 - —
Southard, Oklahoma, frt. equald.	ton.	12.50 - —
Sweetwater, Texas, frt. equald.	ton.	13.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald.	ton.	8.00 - —
Saltville, Va.	ton.	9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y.	ton.	12.00 - —
New Brighton, N. Y.; Southard, Okla.	ton.	12.00 - —

H

Hawthorn berries, bgs.	lb.	.60 - .65
Heliotropin, cryst., cns.	lb.	3.75 - 4.00
Hellebore, white, powd., bbls.	lb.	.46 - .47
Helonias root, bls.	lb.	No stocks
Hematine, cryst., bbls., No. 1.	lb.	.50 - —
No. 2.	lb.	.30 - —
No. 3.	lb.	.28 - —
No. 4.	lb.	.26 - —
No. 5.	lb.	.24 - —
paste, bbls., No. 1.	lb.	.14½- —
No. 2.	lb.	.13½- —
No. 3.	lb.	.12½- —
Hemlock bark extract,[1] 25% tan, bbls., c.l., works.	lb.	No stocks
tanks, works.	lb.	No stocks
Henbane leaves, bls.	lb.	1.20 - 1.25
Henna leaves, bls.	lb.	.17 - .19
powd., bbls., bxs.	lb.	.23 - .26
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3,	gal.	.12½- —
l.c.l., Group 3.	gal.	.19 - —
tankcars, Group 3.	gal.	.10 - —
77°-115°, industrial, dms., c.l., Group 3.	gal.	.13 - —
l.c.l., Group 3.	gal.	.19 - —
tankcars, Group 3.	gal.	.10¼- —
laboratory grade, dms., c.l., Group 3.	gal.	.16 - —
l.c.l., Group 3.	lb.	.29 - —
10 gals., Group 3.	gal.	.55 - —
Hexaldehyde, normal, dms., c.l., works.	lb.	1.10 - —
Hexalin (see Cyclohexanol).		
Hexamethylenetetramine,[2,*] tech., dms., 1,500 lbs. up, Perth Amboy or N.Y.C.	lb.	.32 - —
150 to 1,350 lbs., same basis.	lb.	.33 - —
USP, dms., 500 lbs. or more, same basis.	lb.	.35 - —
fib. ctns., same basis.	lb.	.40 - —

CHEMICAL NEWSFRONT

(*Right*) **SAVING TIME** by improved wetting, emulsifying and dispersing operations in textile processing is one of many timely uses for DECERESOL* OT, a special "surface-active" material developed in the Cyanamid laboratories. Known as "the most powerful wetting agent available," DECERESOL OT has, for example, excellent dye leveling properties as shown in this illustration of actual tests. "Grey" cotton fabric (left) dyes unevenly by ordinary methods. However, a dye solution containing 0.05% DECERESOL OT 100% (right) produces the sought after uniform level dyeing results. Among other uses for DECERESOL OT are as a penetrant in all types of dyeing including yarn, knitted and woven goods...as a dispersing agent in dyestuff mixtures to insure better solubility and color value...for the production of highly absorbent products such as mop yarns, paper mill felts, towels and similar fabrics...as a dispersing agent for finishing oils to obtain a greater softening value...for boiling off rayons and acetates...and for dyeing nylon and vinyon yarns, etc. Full, detailed information on the many and varied advantages of DECERESOL OT in textile processing may be obtained by writing Cyanamid. Other important fields of use for DECERESOL OT include the metal-working and leather industries.

(*Below*) **NUMBER ONE PEST** in the animal life of the Australian continent, and a constant threat to pastoral and agricultural industry are the descendants of a few rabbits brought to Australia about one hundred and fifty years ago. Rabbit control in Australia, however is being mastered by use of CYANOGAS A-DUST*, extensively used there also for destroying citrus fruit scale. The fumigant, shown being blown into a rabbit warren with a modern foot pump duster, penetrates the network of burrows to destroy the rabbits which are such a constant menace to pastoral and agricultural industries. CYANOGAS A-DUST is universally used as a pest destroyer, as well as proving to be the most economical and effective answer to the Australian rabbit problem. Shown here is a typical rabbit warren being blown with a modern foot pump duster at Coonabarabran, New South Wales.

(*Below*) **AN ALMOST UNLIMITED RANGE** of stable opaque and translucent colors can be produced in Cyanamid's BEETLE plastic molding material. Batches of resin, blended with dyes and pigments, are shown being tested for exact color results in Cyanamid's Color Control Laboratory at Bound Brook, N. J. BEETLE, the plastic that is "all color in all colors," will again be available in thousands of colors for use in industrial design, as a sales stimulant, and for packaging appeal and display value. The Plastics Division at Cyanamid is prepared to assist with experienced counsel in the effective use of plastics in product development.

*Reg. U. S. Pat. Off. **Trade-Mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal.	.13½-	—
l.c.l., Group 3 gal.	.19 -	—
tankcars, Group 3 gal.	.10¾-	.11
laboratory grade, dms., c.l., Group 3 gal.	.18 -	—
l.c.l., Group 3 gal.	.29 -	—
10 gals., Group 3 gal.	.55 -	—
Hexanol, dms., l.c.l., works lb.	.25 -	—
Homatropine hydrobromide, bots., oz.	37.50	-42.00
Hoofmeal, 17-18% ammon., bulk, Chicago unit.	4.50	- 4.75
Hops, NF, bls lb.	.56	- 1.50
Horehound, bls lb.	.10½-	.12
Hydrangea root, bls lb.	No prices	
Hydrastine, bots oz.	20.00	- —
Hydrochloride, bots oz.	20.00	- —
Sulphate, bots oz.	29.00	- —
Hydrastinine, 15 grs., bots bot.	1.95	- —
Hydrastis (see Goldenseal).		
Hydrofuramide, dms., fib. cns., works lb.	.80	- .40
Hydrogen peroxide,[2] USP, bbls., lb.	.08¾-	.04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal lb.	.15½-	.18½
Hydroquinone, bbls., dms lb.	.90	- .94
Hydroxycitronellal, cns lb.	8.50	- 9.00
dms., extra. ret'ables, divd lb.	4.50	- —
Hyoscine hydrobromide, bots., gram.	4.50	- —
Hyoscyamine, bots oz.	20.00	-37.50
Hydrobromide, bots oz.	20.00	-37.50
Sulphate, bots oz.	20.00	-37.50
Hypernic, cryst., bbls., No. 1 lb.	.42	- —
No. 2 lb.	.34	- —
extract, bbls., No. 1 lb.	.24	- —
No. 2 lb.	.16	- —

I

Icthammol, N.F., bots lb.	2.45	- 4.20
Indian red (see Red, Indian).		
Indigo, nat., chests lb.	2.14	- 2.35
synth., paste, bbls lb.	.16½-	.19
powd., bbls lb.	.74½-	.85
Indol, CP, bots lb.	23.00	-24.00
Insect flowers (see Pyrethrum).		
Iodine, crude, 25-lb. jars lb.	1.67	- —
150-lb. kgs., net lb.	1.28¼-	—
resubl., 5-lb. bots., jars lb.	2.00	- 2.10
Iodoform, 100-lb. dms., kgs lb.	3.95	- 4.10
jars lb.	4.20	- —
Ipecac[4] root, bgs lb.	No prices	
powd., bgs lb.	No prices	
Irish moss, ordinary, bls lb.	.26	- .28
powd., 80-90 mesh, bbls lb.	.32	- .33
prime bleached, bls lb.	.35	- .40
powd. lb.	.40	- .50
Iron acetate, liquor, bbls.. c.l., dlvd. lb.	.17	- —
l.c.l., dlvd lb.	.18	- —
solut., USP IX, 100-lb. cbys., lb.	.17	- —
50-lb. djns lb.	.18	- —
Chloride (ferric), tech., anhydr., 390-lb. dms 100 lbs.	4.65	- 6.25
150-lb. dms 100 lbs.	5.00	- 6.00
cryst., bbls., works, frt. alld. or equald lb.	.05	- .06
kegs, works, frt. alld. or equald lb.	.07½-	.08
USP X, cryst., lump, bbls. lb.	.07½-	—
dms. lb.	.08½-	—
solut., NF, cbys., works, frt. alld. or equald lb.	.06½-	.07½
djns. lb.	.10	-
Citrate, USP VIII, gran., dms., lb.	.70	- .75
powd., cns lb.	.84	.87
Iron glycerophosphate, bbls., 1,000-lb. lots lb.	3.30	- —
100-lb. lots lb.	3.40	- —
cns., 25 lbs lb.	3.52	- —
Hyposulphite, bbls., dms lb.	1.50	- 1.53
Iodide, bots lb.	3.18	- 3.33
syrup, bots., cbys lb.	.39	- .55
Naphthenate, 6% Fe, 50-gal. dms lb.	.15	- —
Nitrate, red, tech., dms lb.	.03½-	.04
Oxalate, gran., dms lb.	.83	- .85
powd., cns lb.	.52	- —
kgs. lb.	.47	- .49
Oxide, black (see Black iron oxide).		
Phosphate, ferric, NF, gran., cns lb.	.54	- .57
Pyrophosphate, gran., cns lb.	.59	- .62
Reduced, 90%, kgs lb.	.65	- .75
Resinate, 7.4% Fe, 100-lb. dms. lb.	.17½-	—
Sulphate, tech. (see Copperas and Ferric sulphate).		
USP, cryst., bbls., dms lb.	.05½-	.11
Tallate, 4% Fe, 50-gal. dms., lb.	.10¼-	—
Iron-ammonia citrate, brown, green, gran., pearls, dms. lb.	.33	- .38
scales, dms lb.	.49	- .53
Oxalate,[6] bbls lb.	.23½-	—
dms., kgs lb.	.25½-	.26½
Iron-soda oxalate, bbls., dms lb.	.23½-	.26½
Isobornyl thiocyanoacetate, cbys., dms., extra, works gal.	4.95	- —
Isobutyl acetate,[6] dms., works lb.	.0860-	—
tanks, works lb.	.0760-	—
Propionate, dms., works lb.	.102	- —
Isopentane, dms., works gal.	.45	- .55
Isophorone, dms., works lb.	.26	- —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld lb.	.11	- —
l.c.l., E. of Rockies, frt. alld lb.	.11½-	.12
Isopropyl acetate, tanks, E. of Rockies, frt. alld lb.	.10	- —
Alcohol (see Alcohol).		
Ether, dms., c.l. lb.	.06	- —
l.c.l. lb.	.06½-	—
tanks lb.	.04½-	—
Isopropylamine, dms., works lb.	.35	- —

J

Jaborandi leaves, bls lb.	.09	- .10
Jalap root, NF, bls lb.	.39	- .40
powd., bbls., bxs lb.	.46	- .47
Resin, lump, cns lb.	5.85	- —
powd., bxs lb.	5.90	- —
Juniper berries, dom., bgs lb.	.70	- .85

K

Kamala, tins lb.	.42	- .45
Kaolin (see China clay).		
Kava kava root, bls lb.	.28	- .34
Kerosene at refinery:—		
Ark., 41-43 w.w., bulk, tanks, gal.	.04½-	.04¼
Bayonne, 41-43 w.w., tank.. gal.	.071	- —
Gulf ports, 41-43 w.w., bulk, gal.	.04¾-	.04½
Okla.-Texas, 42-44 w.w., tanks.. gal.	.04⅝-	.04¾
Penn., 45 w.w., tanks gal.	.07½-	.08
46 w.w., tanks gal.	.07½-	.07¾
47 w.w., tanks gal.	.07¾-	.08
San Francisco, tanks gal.	.11½-	—
Kola nuts, bgs lb.	.09	- .10

L

Lady slipper root, bls lb.	1.25	- 1.50
Lanolin (see Adeps lanae).		
Lard,[1,5] pure, ref., trcs 100 lbs.	.1522½-	—
Chicago, trcs lb.	.1455-	—
Larkspur seed, bgs lb.	3.25	- 3.50
Laurel berries, bls lb.	.25	- .26
Laurel leaves, Cyprus, bls lb.	.30	- .31
Greek, bls lb.	No stocks	
Portuguese, bls lb.	.19¼-	.19¾
Turkish, bls lb.	.35	- .36
Lavender flowers, medium, bls lb.	.80	- —
ordinary, bls lb.	.45	- .50
select, bls lb.	.90	- .95
Lead,[1,8] (metal) (see paint market).		
Acetate,[1] white, broken, bbls lb.	.12½-	—
cryst., bbls lb.	.12½-	—
gran., powd., bbls lb.	.13¾-	—
Arsenate,[1,6] paste, stand., cns., c.l. lb.	.05¾-	.06
l.c.l. lb.	.06 -	.06½
powder, basic, 3-lb. bgs. or larger, c.l. lb.	.11½-	.12
l.c.l. lb.	.12 -	.12½
1-lb. ctns., c.l. lb.	.18½-	.22½
l.c.l. lb.	.19 -	.23
standard, 3-lb. bgs. or larger, lb.	.11 -	.11¼
l.c.l. lb.	.11½-	.12
1-lb. bgs., c.l. lb.	.16 -	.20
l.c.l. lb.	.16½-	.20½
1-lb. ctns., c.l. lb.	.18 -	.22
l.c.l lb.	.18½-	.23½
½-lb. ctns., c.l. lb.	.21 -	.23
l.c.l. lb.	.21½-	.25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E. lb.	.07½-	—
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.07¾-	—
l.c.l., divd. E. lb.	.07¾-	—
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.08 -	—
Carbonate (see Lead, white).		
Chloride, fib. dms lb.	.49 -	—
Iodide, NF V, powd., bots. lb.	2.80 -	—
jars lb.	2.69 -	—
Linoleate, pale, precip., bbls. lb.	.22½-	—
Metallic paste, works lb.	.19¾-	.21½
Naphthenate, 24%-30% Pb, 50-gal. dms. lb.	.14½-	.17½
Nitrate, bbls lb.	.12½-	—
Oleate, bbls lb.	.17¾-	—
Peroxide, powd., tech., bbls. lb.	.23 -	—
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. lb.	.09¼-	—
other points lb.	.09 -	—
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash. lb.	.09¾-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb.	.10¼-	—
Colo., Mont., N. Mex., Wyo. lb.	.10 -	—
other points lb.	.09½-	—
smaller lots, Ala., etc. lb.	.10½-	—
Ariz., etc lb.	.10⅝-	—
Colo., etc lb.	.10¼-	—
other points lb.	.10 -	—
97%, Pb_3O_4, bbls., c.l., divd. Ala., etc. lb.	.09½-	—
other points lb.	.09¾-	—
l.c.l., 5 tons, divd. Ala., etc. lb.	.10 -	—
Colo., etc lb.	.10¼-	—
Ariz., etc lb.	.10½-	—
other points lb.	.09¾-	—
smaller lots, divd. Ala., etc. lb.	.10⅝-	—
Ariz., etc lb.	.11 -	—
Colo., etc lb.	.10⅝-	—
other points lb.	.10¼-	—
98%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc. lb.	.09¾-	—
other points lb.	.09½-	—
l.c.l., 5 tons, divd. Ala., etc. lb.	.10¼-	—
Ariz., etc lb.	.10⅝-	—
Colo., etc lb.	.10½-	—
other points lb.	.10 -	—
smaller lots, divd. Ala., etc. lb.	.10¼-	—
Ariz., etc lb.	.11¼-	—
Colo., etc lb.	.11 -	—
other points lb.	.10½-	—
in oil, 95% min., kgs lb.	.14 -	—
Resinate, precip., 23.3% Pb., 160-lb. dms. lb.	.17½-	—
Silicate, bgs lb.	.0730-	.0780
Soyate, 26.15% Pb, 50-gal. dms., lb.	.22¼-	—
Stearate, bbls lb.	.31 -	.33
Sulphate (see Lead, white, basic sulphate).		
Tallate, 16% Pb, 60-gal. dms lb.	.08¼-	—

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Lead titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
l.c.l., smaller lots, E. frt. alld..lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
dlvd., other points..lb. .08¼- —
l.c.l., dlvd. Ariz., etc..lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07¼- —
in oil, consumers, kgs..lb. .13¼- .13¾
dealers, 100-lb. kg.....lb. .11¼- .11¾
painters, 100-lb. kg.....lb. .12¼- .12¾
Lecithin, edible, dms., c.l.....lb. .28½- —
l.c.l. .....lb. .29 - .48
in cocoa butter, dms., c.l....lb. .46½- —
l.c.l. .....lb. .41 - .55
pure vegetable bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- .27½
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls....lb. .08 - .09
powder, bbls.....lb. .14 - .15
Russian, bls.....lb. .08½- .09
Spanish, bls.....lb. .12 - .15
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Lime, hydrated, Manistique, Mich..ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen,[9] 20.5% N, bgs., works..ton.32.50 - —
Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, cns.....lb. 3.25 - 8.75
Linden flors with leaves, bls...lb. .95 - 1.00
Linseed meal,[1] 34%, bulk, c.l.ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium[6] bromide, bbls., 100 lbs. works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[4] ordinary, bgs., (20 tons)..lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —

Lithopone titanate,[6] (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher, l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .43 - .48
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .50 Nom.
Lupulin, NF, tins.....lb. 7.00 -10.00
Lycopodium, USP, cs.....lb. 3.00 - 3.25

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 - .63
broken, bgs.....lb. .55 - .58
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
kgs. ....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
Magnesia carbonate, tech., Zone 2, c.l., bgs..lb. .07- —
bbls.....lb. .08½- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08½- —
bbls.....lb. .09¼- —
kgs.....lb. .09 - —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .06½- —
kgs.....lb. .09¾- —
2, l.c.l., bgs.....lb. .08¼- —
bbls.....lb. .09¼- —
kgs.....lb. .10½- —
Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.
Chloride, anhyd., bbls., dlvd..lb. .13 - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls., lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton.58.75 - —

Magnesite, dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash., ton.22.00 -32.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .50
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .23 - .28
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .13
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works... ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
85-90%, paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, 2 bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. drms..lb. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10¼
precip., dms.....lb. .14½- .15½

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ST. LOUIS: 126 Chouteau Avenue

Manganese soyate, 8.2% Mn, 50-gal. dms..lb. .22 - —
Sulphate, anhyd., dms., works..lb. No stocks
feed grade, 77-80%, bgs....lb 04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¼
Tallate, 4% Mn, 50-gal. dms..lb. .09 - —
Mangrove bark, E. Afr., if and when available, bgs., based on freight $18, insurance $1 per ton. Any difference for buyers' account.....ton.70.00 - —

Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .32 - .33
Chilean, bls.....lb. .35 - .36
Portuguese, wild, bls.....lb. .30 - .31
Matico leaves, bls.....lb. .22 - .29
Menthol,[1] natural, Brazilian, cs., 500 lbs..lb.16.50 - —
smaller lots.....lb.16.75 -16.90
synthetic, USP, cs.....lb.13.00 - —
technical .....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.19 - 1.21
50%, pails.....lb. 1.54 - 1.56

Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] dms.....lb. 2.15 - 2.17
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.34 - —
Iodide,[2] red, NF, dms., kgs.lb. 3.90 - —
yellow, fib. dms., kgs.....lb. 4.00 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, NF VI, fib. dms...lb. 2.34 - 2.36
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.49 - 1.54
dms. .....lb. 1.42 - 1.44
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅛x3⅛ in., pkg.15.00 - —
Silver, 3⅛x3⅛ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R., gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

[1]Inside prices on natural methanol in drums extra; outside drums included. Prices W. of Miss. R., 3c. higher.

synthetic,[6] dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
Methanol, synth., dms., l.c.l., Zone 2, frt. alld..gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, dms., c.l., dlvd. lb. .0722- —
l.c.l., 10-dm. lots, dlvd...lb. .0847- —
single dms., dlvd.....lb. .0947- —
smaller cont., dlvd.....lb. .1447- —
hydrogenated, dms., c.l., dlvd., lb. .1122- —
l.c.l., 10-dm. lots, dlvd...lb. .1247- —
single dms., dlvd.....lb. .1347- —
smaller cont., dlvd.....lb. .1847- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13⅛
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼

Methyl acetate, tech., tanks, E. of Miss..lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums, extra by Group B, sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.25 - 2.65
Benzoate,[6] ctns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

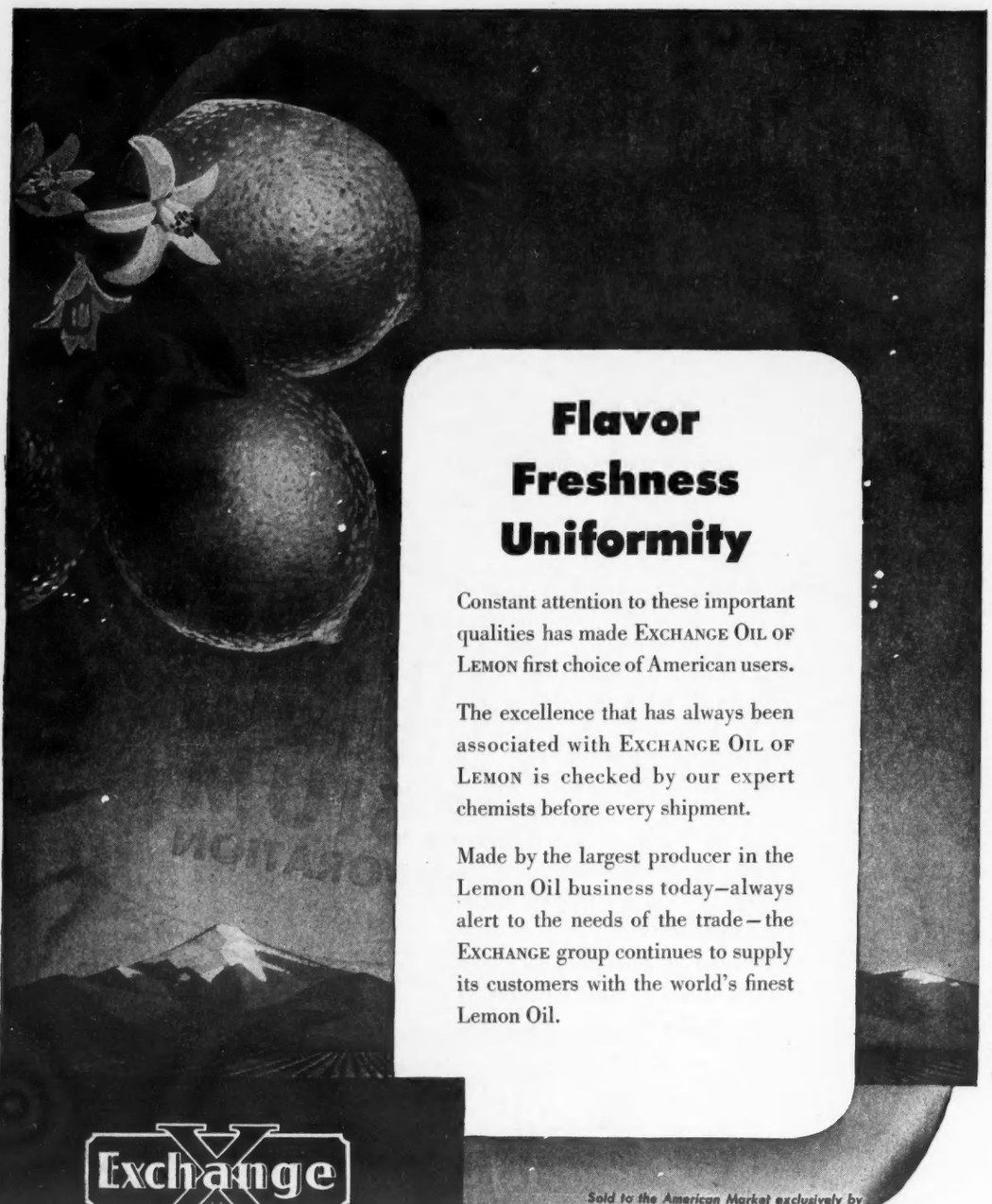
Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .59 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs., 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —

Metronite pigment (see Synthetic Resins and Other Branded Paint Materials list.)

Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs..lb. .03¾- —
l.c.l. .....lb. .04¼- —
1,000 mesh, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
l.c.l. .....lb. .04¼- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
paper bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —
rubber, c.l., bgs.....lb. .04½- —
l.c.l. .....lb. .05 - —
wallpaper, bgs, c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in car-load lots is frt. alld. E.; less car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.



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Milk powder,[6] skimmed,[1] roller, bulk, Zone A, bbls..lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A, lb. .14½- —
Zone B.....lb. .14¾- —
Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H. N. Y., Pa., R. I., and Vt.
whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —
Sugar,[1] bbls., c.l., works....lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.26.00 - —
Area 4, same basis....ton.29.00 - —
Area 5, same basis....ton.34.60 - —
Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.
Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms, c.l..lb. .05½- —
l.c.l.....lb. .07 - .09
tanks.....lb. .05 - —
Monoethanolamine,[6] dms., c.l., frt. alld. in E..lb. .24½- —
l.c.l., dms., same basis.....lb. .25½- —
tanks, same basis.....lb. .23½- —
Monoethylamine basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monoethylaniline, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .21 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5 oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.40.00 -45.00
synth., ambretta, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.80
Mustard seed, Calif., brown, bgs., lb. .17½- .18
Montana, brown, bgs.....lb. .10¾- .11¼
yellow, bgs.....lb. .11½- .12
Washington, yellow, bgs.....lb. .11½- .12
Myrobalans,[6] Jl, whole, bgs., frt. guar., insurance, $1. Any difference for buyers' account, ton.65.00 - —
crushed, same basis.....ton.75.00 - —
J2, whole, bgs., same basis... ton.55.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[3,6] crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis, lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,5] black, bbls.....lb. .35 - .38
Salt,[6,5] bbls.....lb. .13 - .13½
Nicotine,[2] sulphate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -13.55
Nikethamide, bots., cbys....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼-½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .26 - —
5-7, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works..lb. .26 - —
5-7, 15-20 cps. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose:—Denatured alcohol A used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., l.c.l., wks..lb. .25 - —
Nitrogen,[6] solut., tanks, ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.
Nitrogenous process tankage,[1] bulk, works.....unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton.2.60 + .40- 3.00 + .40
Nitromethane, dms., l.c.l., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. .44 - .45
Chinese .....lb. .39 - .40
Nutmegs,[1] E. I., 95's bgs.....lb. .55 - .56
110's, bgs.....lb. .51 - .52
grinding, bgs.....lb. .45 - .46
West Indian, No. 1, bgs.....lb. .34½- .34½
Nux vomica, bls.....lb. .09 - .11
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, arti. (see Benzaldehyde).
bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.50 - 1.60
Angelica root, bots.....lb.140.00-150.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. No stocks
Apricot kernel, cns.....lb. .45 - .55
Avocado, cns., dms.....lb. 1.05 - 1.35
Babassu,[1,5] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 Nom.
rectified, cns.....lb. 3.00 Nom.
Bois de Rose, Brazil, cns....lb. 4.50 - 5.00
Mexican (see lignaloe wood)
Oil, bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 2.00 - 2.50
Calamus, cns. .....lb.22.50 -25.00
Camphor, sassafrassy, cns..lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb.11.25 -12.50
rectified, cns.....lb.12.75 -15.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb.22.00 -24.00
Cardamom, bots.....lb.19.00 -21.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l.....lb. .16 - —
cold pressed, USP, bbls.,c.l.lb. .14 - —
cns.....lb. .15¾- .17¾
dms., returnable, c.l....lb. .13¾- —
l.c.l.....lb. .14½- —
tanks.....lb. .13 - —
dehyd., bodied, dms., c.l...lb. .1790- —
l.c.l.....lb. .1830- —
tanks.....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
l.c.l.....lb. .1730- —
tanks.....lb. .1650- —
No. 3, tech., bbls., c.l....lb. .13¾- —
l.c.l.....lb. .14¼- —
dms., returnable, c.l....lb. .13½- —
l.c.l.....lb. .14¼- —
tanks.....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .13½- —
l.c.l.....lb. .14½- —
Cedarleaf,[1] cns., dms.....lb. 2.65 - 2.85
Cedarwood, dms.....lb. 1.00 - 1.25
Celery, bots.....lb.19.50 -22.00
Chaulmoogra, USP, cns.....lb. .70 - .75
Chinawood, (see Oil, tung).
Cinnamon bark oil, bots.....lb.36.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Oil, citronella, Ceylon, cns....lb. .95 - 1.00
Java, cns.....lb. No stocks
Clove, USP, cns.....lb. 1.60 - 1.65
Coconut,[1,3] Manila, crude, bulk, c.l.f., N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .098-
Cod, Newfoundland, dms..gal. .88 - —
tankcar .....gal. .83 - .85
Codliver,[6] med., USP, bbls., dms..gal. 2.35 - 2.50
Coriander, bots.....lb.23.50 -35.00
Corn,[1,6] crude, tanks, works..lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03¾- —
Cottonseed,[1,6] cooking, l.c.l., ret. dms..lb. .16¼- —
foots, acid, 95%, tankcar, dlvd. E..lb. .07¾- —
raw, 50%, tankcar, dlvd. E., lb. .03¾- —
salad, l.c.l., ret. dms.....lb. .16½- —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices.
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb.10.00 Nom.
weed, bots.....lb. 5.00 - 5.50
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.20 Nom.
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,3] dms., less than 40,000 A units per gram..... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 -

Available

PRODUCTS

Products which are available to the perfumer at reasonable prices.

Veratraldehyde
Linalyl Acetate
Linalool
Ionone A. B.
Ionone Methyl
Aubepine
Para Cresyl Ethyl Ether
Para Cresyl Methyl Ether
Cyclamal
Indol
Oil of Balsam Fir American
Oil of Pine Needles American
Oil of Spruce
Oil of Cedar Leaf American Pure
Phenyl AcetAldehyde DiMethyl Acetal
Methyl Naphthyl Ketone, Crystals, Liquid
Ethyl Methyl Phenyl Glycidate
Hydratropic Aldehyde

Requests for samples on your firms letterhead and further information will be promptly furnished

Aromatics Division
GENERAL DRUG COMPANY
644 Pacific St., Brooklyn 17, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, fishliver, 200,000 or more A units..per million units. .30 - —
Fuel (see Petroleum, fuel oil),
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, cns....lb.13.00 -15.75
Bourbon, cns.....lb.14.00 -16.50
Russian, cns.....lb.15.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 -22.50
Hemlock, cns.....lb. 2.65 - 3.34
Juniper berry, cns.....lb.15.00 -16.00
wood, tecn., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.00 - 1.30
Lard,[6] common, 1 bbl.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
Winter, strained, bbls...lb. .15 - —
prime, burning, bbls.....lb. .16 - —
ined, bbls.....lb. .15½- —
Laurel, bots.....lb. No prices
Lavandin, cns., 25 lbs.....lb. 8.00 - —
Lavender flower, French, cns., lb. 8.50 -16.00
Russian, cns.....lb.11.00 -11.50
garden, cns.....lb. .55 - .75
spike, Spanish, pure, cns..lb. 2.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - —
Terpeneless .....lb.25.00 -50.00
Lemongrass, cns., dms.....lb. 1.50 - 1.60
Lignaloe wood, Brazilian (see Bois de Rose).
Mexican, seed, cns.....lb. No stocks.
wood, cns.....lb. 3.20 - 3.25
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns. .....lb. 6.00 - 6.50
expressed, Jamaica, cns...lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
l.c.l. .....lb. .1550- .1610
tankcar .....lb. .1470- —
tankwagon .....lb. .1470- —
grinding, dlvd. Zone 1, tankcar..lb. .1450- .1550
varnish, dlvd. Zone 1, tankcar, lb. .1490- .1550
polymerized, dlvd. Zone 1, tankcar..lb. .1850- .2050
Boiled linseed oil, .004 over raw. tankcar, Zone 3.....lb. .127 - —
Linseed replacem't, dms. ret.lb. .131 - .137
Lubricating,[3] at refinery, ex-tax, California, neut.,pale, 200-800 vis. 24-4 pour, tanks..gal. .07¾- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .25 - —
300 vis., No. 3 col., 0-10 pour, tanks..gal. .14½- .18
200-280 vis., No. 3 col., 15-25 pour tanks..gal. .15 - .17½
140-150 vis., No. 8 color, 10-25 pocr. tanks..gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 s t e a m ref'd. tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal. .29 - .31
200 vis., 0-25 pour, tanks..gal. .31 - .33
Mace, dist., cns., dms.....lb. 5.00 - 5.25
Mandarin, Brazilian, cns....lb. 8.75 - 9.00
Italian, coppers .....lb.11.50 -15.00
Menhaden,[1,5] crude, tanks, Balto..lb. .0825- .0890
light-pressed, ret. dms....lb. .1260- —
tanks .....lb. .1190- —
ref'd. alkali, ret. dms....lb. .1360- —
kettle-boiled, ret. dms....lb. .1460- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. No stocks
Mustard seed,[6] exp., dms....lb. .14¾- —
Neatsfoot, 15° c.l., bbls....gal. 1.90 - —
20° c.l., bbls.....gal. 1.80 - —
30° c.l., bbls.....gal. 1.60 - —
pure, bbls. .....lb. .18¼ Nom
Neroli, bots.....lb.220.00 -275.00
Haitian, dms. .....lb.240.00 - —
Nutmeg, dist., cns., dms....lb. 5.00 - 5.25
Oiticica,[1] liquid, dms.....lb. .20½- .21
tanks .....lb. No stocks
Oleo,[4] 1, bbls. .....lb. .13¾ Nom.
Olibanum, bots. .....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks.
edible,[1] Calif., ¼%-3% f.f.a., dms..gal. 4.50 - 4.80
imported, dms.....gal. No stocks.
foots, dms. .....lb. No stocks.
sulphonated, 50% (40% fat), dms., c.l.. lb. No prices.
l.c.l. .....lb. No prices.
80% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
85% (68% fat), dms., c.l..lb. No prices.
l.c.l. .....lb. No prices.
Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Brazilian, cns..lb. 1.25 - 1.30
Calif., cns.....lb. 1.45 - 1.75
Florida, cns., dms.....lb. 1.10 - 1.20
Messina, USP, coppers.lb. No stocks.
West Indian, cns.....lb. 3.75 - 4.00
sequiterpeneless. bots....lb.97.00 -100.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,5] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 4.25 - 5.50
Paraffin,[1] 800° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
320° flash, 60-70 vis., tanks, same basis..lb. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, Ind.refy..gal. .12 - —
100-100 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
100-105 vis., 0/10 pour, same basis..gal. .14 - —
Patchouli, cns.....lb.20.00 Nom.
Peanut,[1,5] crcde, tanks, mill. lb. .13 - —
bichd., bbed., tankcar.....lb. .1501- —
hydrog., tanks .....lb. .1573- .1579
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
Pennyroyal, dms., cns.....lb. 4.10 - 4.25
import, cns.....lb. No prices
Peppermint, natural, dms....lb. 7.50 - —
redist., USP, dms.....lb. 8.05 - —
Perilla, crude, dms.....lb. No stocks.
Petitgrain, Paraguay, cns., dms. lb. 1.60 - 1.70
Pimento, berry, dms.....lb. 6.90 - 7.00
Leaf, cns.....lb. 4.50 - 4.75
Pine,[1,5] ret., dms., c.l., dlvd. E. gal. .63 - .63¼
l.c.l., ret., dms., dlvd. E. gal. .73 - —
tanks, works.....gal. .53 - —
Pinesneedle, cns.....lb. 3.25 - 3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. .34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal. .....gal. .28 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Oil, rapeseed,[1,5] denat., bulk, c.l.f. N. Y..lb. .1150- —
Red,[5] dist. dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 - —
double dist., ret. dms.....lb. .15¾- .16¼
Saponified, same prices.
Rose, natural, coppers.....oz.30.00 -40.00
Rosemary, Spanish, cns., dms., lb. 1.70 - 2.10
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots.....lb. 8.25 Nom.
Sage, Spanish, cns.....lb. 3.60 - 5.00
Sandalwood, NF, dist., cns..lb. 6.75 - —
Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb. .0890- —
light-pressed, ret. dms....lb. .1228 - .13
tanks .....lb. .1225- —
ref'd alkali, ret. dms.....lb. .1338 - .14
kettle-boiled, ret. dms.....lb. .1486- .1506
Sassafras, artif., cns.....lb. 1.05 - 1.40
natural, cns., dms.....lb. 1.90 - 2.00
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Sesame,[1,5] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snake root, Canada, cns.....lb. No stocks
Soybean,[1,5] crude, tanks, Decatur..lb. .1175- —
deod., Winter, tankcar.....lb. .1393- —
ret., dms.....lb. .1500- .1540
clarif., dms.....lb. .1296- .1336
tanks .....lb. .1256- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dvid. E..lb. .05½- —
refd., varnish, dms.....lb. .1386- .1406
tanks .....lb. .1340- .1847
Spearmint, dms.....lb. 4.00 Nom.
Sperm,[6] bleach, 38°, dms....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.34
Sunflower semi-ref.,[5] tanks..lb. .1430- —
refined, tanks.....lb. .1468- —
Sweet birch, North, cns....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[5] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns.....lb. 2.65 - 4.00
Tung,[1,5] dms.....lb. .39 - —
tanks .....lb. .38¾- —
Turkey red (see Castor, sulphorated).
Turpentine (see T).
Vetiver, Java, bots.....lb.50.00 Nom.
Whale,[5] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White, mineral, tech., 50-60 vis., dms., c.l..gal. .38 - —
l.c.l. .....gal. .42 - .45
65/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 80/90 vis., dms., dm. charges not included, c.l., gal. .39 - —
l.c.l. .....gal. .45 - .48
95/105 vis., dms., c.l...gal. .44½- —
l.c.l. .....gal. .50½- .53¾
125/135 vis., dms., c.l...gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 bis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63¼
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .76
San Francisco, 55, 70 and 85 vis., ret. iron dms..gal. .65
dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54¼
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
180 vis., 65 dms.....gal. .60½- —
64-1 dms.....gal. .62½- .65¼
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns. lb. 6.50 - 8.50
South, cns. .....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. No prices.
Wormwood, cns.....lb. 5.00 Nom.
Ylang-ylang, Bourbon, bots..lb. No stocks
Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines, ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots..lb.13.00 - —
25-lb. lots .....lb.13.25 - —
smaller lots .....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, dinitroaniilin toner,[1]..lb. 1.05 - —
Lake, Persian,[1] bbls.....lb. .30 - .46
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12½- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
other points .....lb. .12 - —
smaller lots, dlvd. Ala., etc..lb. .12¾- —
Ariz., etc. .....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
Other points.....lb. .12½- —
Molybdate,[1,5] bbls.....lb. .41 - —
Orthonitroaniiin toner,[1] kgs., works..lb. .80 - —
bbls. .....lb. .80 - 1.05
Orange peel, bitter, Haitian, bgs., lb. .11 - .11½
sweet, bls.....lb. No stocks
Oregano, Mexican, curly leaf, bgs..lb. .10¼- .11
flat leaf, bgs.....lb. .10 - .10½
Orris root, African, bls.....lb. .80 - .85
powd., bbls., bxs.....lb. .85 - .90
Portuguese, bls. .....lb. .45 - .46
Verona, bls. .....lb. 1.25 - 1.30

Orthoamyiphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroaniiin, dms. .....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol,[2,6] 30.4°C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0°C, Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichloroben zene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroaniiin, dms. .....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms. .....lb. .09 - —
Orthophenetidin, dms. .....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls....lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots .....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.25 - 2.60
Papaverine natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.25
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Chilean, good, bgs..lb. .26½- .27
Portuguese, choice, bgs.....lb. .38½- .39
extra fancy, bgs.....lb. .37¾- .38¼
good, bgs.....lb. .36 - .37
Spanish, fancy, bgs.....lb. .43 - .44
good, bgs.....lb. .36 - .37
fair, bgs.....lb. .32 - .32
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, ims., wks..lb. .32 - —
Paracresol,[6] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .13
l.c.l., sams basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis, lb. .0520- —
122-124 ASTM, same basis, lb. .0520- —
Paraffin, fully refined, 125-127 ASTM, same basis..lb. .0560- —
127-129 ASTM, same basis, lb. .0585- —
128-130 ASTM, same basis, lb. .0585- —
130-133 ASTM, same basis, lb. .0615- —
132-134 ASTM, same basis, lb. .0640- —
135-137 ASTM, same basis, lb. .0715- —
140-142 ASTM, same basis, lb. .0810- —
146-148 ASTM, same basis, lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde,[2,5] dms., 1,000 lbs. or more, works..lb. .23 - —
100 to 900 lbs., works.....lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal.dms., l.c.l., works.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroaniiin, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, k g s., works..lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, t e c h., kgs..lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld..lb. .20 - .25
l.c.l., same basis.....lb. .21 - .26
Passion flower herb, bls.....lb. No prices
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .85 - —
Penicillin,[5] hospitals, institutions, ampules per 100,000 units. 3.20 - 4.50
for gov. purchases, ampules, per 100,000 units. 1.90 - —
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l. .....gal. .29 - —
10 gal.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .0665 Bid
50 to 100 bgs.....lb. .0705 Bid
24 bgs.....lb. .0723- .0740
red, chillies, Carolina, longs, bgs..lb. .28 - .28½
sports, bgs.....lb. .50 - .52
Congo, bgs.....lb. .25 - .26
Louisiana, sports, bgs....lb. .50 - .52
Mombassa, bgs.....lb. .20½- .21
Niger, fair, bgs.....lb. .18½- .19
Sierra Leone, bgs.....lb. .22½- .23
Unganda, washed, bgs...lb. .21 - .21½
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, USP, bls.....lb. .60 - .70
import, bls.....lb. .90 Nom.
Perchloroethylene,[5] d e a s., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms. c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.: (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.15 - 1.20

Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, fiber dms., c.l..lb. .03½- —
l.c.l. .....lb. .04½- —
extra amber, fib. dms., c.l...lb. .03¾- —
l.c.l. .....lb. .04¾- —
cream, c.l., fib. dms.....lb. .05 - —
l.c.l. .....lb. .06½- —
yellow, soft, fib. dms., c.l..lb. .03½- —
l.c.l. .....lb. .04½- —
white, lily, fib. dms., c.l..lb. .05¾- —
l.c.l. .....lb. .07¼- —
snow, c.l., fib. dms.....lb. .03½- —
l.c.l. .....lb. .08 - —
soft, c.l., fib. dms.....lb. .05½- —
l.c.l. .....lb. .06½- —
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.36
North, North-Central.....bbl. 1.01 - 1.25
West .....bbl. .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming .....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .18 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .35 - —
85-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy....bbl. 1.10 - —
light .....bbl. 1.20 - —
diesel .....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .03½- —
Group 3, No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .03⅝- —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1..gal. .07 - .07¾
No. 2.....gal. .07 - .0805
No. 3.....gal. .06¾- .07¼
36-40 gravity.....gal. .07 - .07¾
bunker C, Baltimore, Md..bbl. 1.65 - 1.77
Boston, Mass.....bbl. 1.65 - 1.77
Charleston, Mass.....bbl. 1.60 - —
Jacksonville, Fla.....bbl. 1.60 - —
New York, N. Y.....bbl. 1.65 - 2.07
Norfolk, Va.....bbl. 1.65 - 1.77
Philadelphia, Pa.....bbl. 1.65 - —
Portland, Me.....bbl. 1.80 - —
Providence, R. I.....bbl. 1.65 - —
Savannah, Ga.....bbl. 1.65 - 1.77
Wilmington, N. C.....bbl. 1.65 - —
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco....gal. .11½- —
Willbridge, Ore....gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
gal. .07¾- —
Group 3, benzol type, tanks, toluol type, tanks..gal. .07¾- .07¼
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks, gal. .10¼- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. J., N. Y..gal. .10 - —
Group 3, tanks.....gal. .06¼- —
tankwagon, Baltimore....gal. .12 - .18
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1490- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- —
tankwagons, Newark....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .23½- —
No. 5, tanks, same basis, gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, Wilmington, Cal..gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
Calif., 54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1420- —
Newark (200 gal)... .gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

Petroleum, solvent, rubber at refinery, California (f.o.b. San Francisco)..gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07½
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06¾- —
Pennsylvania, western, tankwagon, Baltimore...gal. .07¼- .07½
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Xylol solvent. See Xylol petroleum solvent.
Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
Phenol,[3,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald., lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- .10¾
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., works, frt. equald..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs...lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, fib. dms., 2,000-lb. shipt..lb. .49 - —
smaller lots, same basis..lb. .54 - —
Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut.. bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 2.45 - 3.00
Phenylethylphenyl acetate, bots., lb. 5.50 - 7.90
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works....lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock,[1,8] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l.....
long ton. 2.20 - —
70-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l. M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75%-74% b.p.l., M.P.R. 240 provisions, same basis..long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
30%, P_2O_5 minimum, short ton. 2.90 - —
31%, P_2O_5 minimum.. short ton. 3.10 - —
70%, basis 32%, P_2O_5 minimum..short ton. 3.45 - —
Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% I. & a., M.P.R. 240 provisions, same basis..long ton. 5.00 - —
72%-70% b.p.l., 5½% I. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
refinery ground, same basis, long ton. 4.65 - —
30%, P_2O_5, same basis..... short ton. 4.85 - —
31%, P_2O_5, same basis.. short ton. 4.95 - —
32%, P_2O_5, same basis..... short ton. 5.20 - —
33%, P_2O_5, same basis..... short ton. 5.70 - —
Phosphate, defluorinated (see under D).
Phosphorus,[6] red amorphous, cs., lb. .40 - .44
tins, export.....lb. .55 - —
Yellow, dms.....lb. .25 - —
cs. .....lb. .23 - .25
Oxychloride,[6] cyls.....lb. .15 - .18
Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[6] cs.....lb. .38 - .42
Trichloride,[6] cyls.....lb. .15 - .16
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .08 - .09½
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.90 - 5.25
Nitrate, bots., vis.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .21 - .21½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. 1.90 - 2.00
Piperazine hexahydrate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar,[2] 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Soybean, dms., works.....lb. .04 - .06
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .14 - .15
Polyamylnaphthalene, dms., l.c.l., works..lb. .25 - —
Pomegranate, root bark, bgs...lb. .80 - .85
Poppy flowers, bls.....lb. .60 - .70
Seed, Canadian, bgs.....lb. No stocks
domestic, blue, bgs.....lb. No stocks
Dutch, bgs.....lb. No stocks
Indian, white, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
cleaned, bgs.....lb. No stocks
Potash abietate.....lb. .08 - —
Acetate, USP, bbls., dms....lb. .28 - .30
cns. .....lb. .31 - .33
Arsenite,[6] USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10
Potash bichromate in bgs., ½c. less.

Potash bromide, USP, gran., 500-lb. bbls., dms..lb. .27 - .31
100-lb. kgs.....lb. .23 - .32
Carbonate, calc., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms....lb. .19 - .21
Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
45% basis, dms.....lb. .08½- .08¾
tanks .....lb. .02½- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate,[6] bgs.....lb. .24 - .28
Chlorate,[6] cryst., bgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .13
powd., dms., kgs., c.l., works, lb. .09¾- .11¾
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .18 - .20
Chloride, cryst., tech., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms. lb. .33½- .38½
powd., 3c. per lb. higher.
Cyanide,[6] dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., cns., cbys..lb. 1.65 - 1.67
dms., 1,000 lbs.....lb. 1.50 - —
100 lbs.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36

Potash hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton. .20 - —
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%.
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
Seasonal contract discounts to March 31, 1945, 12%.
granular, 50-52% K_2O..... unit-ton. .53½- —
Russian,[5] offered from consignments afloat, subject to safe arrivals..unit-ton. .53¾- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis
Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech., fine gran., bbls., dms., lb. .28 - .31
Perchlorate,[6] kgs., works....lb. .09½- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Prussiate, red, bbls., dms..lb. .50 - .53
Yellow, bbls.....lb. .16 - .17

Potash ricinoleate, tech., bbls..lb. .18 - —
Silicate, alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution 20° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works.. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powd., bbls....lb. .15 - .21
Prices on granular 4c. higher.
tech., dom., bulk,[6] basis 90-95%, K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .78
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[4] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Berries, bgs.....lb. .23 - .25
Prickly ash bark, bls.....lb. .40 None
Prince's pine herb, bls.....lb. .45 - .50
Procaine hydrochloride, cns., 25 lbs..lb. 8.00 - —
smaller lots.....lb. 8.25 - 8.75

When it's
RECONVERSION TIME...
. . . there will be many new materials, methods and machines for packaging and converting,
. . . pre-war standards of production speed, product protection and package distinction will go into the discard,
. . . new and improved stocks, coatings and containers will evolve from wartime developments,
. . . and adhesives of yesteryear will likely fall short of your needs.
Then, just as now, National will have the answers to your packaging and converting problems.
PLANNING FOR POST-WAR?
Do not overlook adhesives . . . so important as to tie up your entire plant . . . yet so trivial as to frequently escape listing as a production cost. Discuss your plans now with our adhesive engineers.
"RESYN" ADHESIVES
What are they? Where can you use them? Why are they so popular? How do you handle them? These, and many other questions relating to your current and post-war packaging adhesive problems, are answered in this new Handbook...
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NOTE: Resyn Adhesive #172 complies with the new Army-Navy Sealing Spec. JAN-A-101* covering overseas shipments in fiber containers. (*Copy on request.)
National
ADHESIVES
DIVISION OF NATIONAL STARCH PRODUCTS INC.

Propane,[1] industrial grade, tanks, Group 3..gal. .03⅜- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla. bls.....lb. .68 - .69
Pumice, grd., fine, bgs., ton lots, lb. .03⅜ —
smaller lots.....lb. .03⅝- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03⅝- —
smaller lots.....lb. .03⅞- .04¼
Chi., ton lots.....lb. .04½- —
Pumice packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1,6] concentrate, de-waxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal. 10.65 - —
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2[a] ret. dms., same basis. lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00

Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton. 10.00 - —
325 mesh, same basis....ton. 13.00 - —
No. 5, 200 mesh, c.l., mines. ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —
Pyroxylin scrap, opaque, amber, c.s., works..lb. .17 - —
black, cs., works.....lb. .17 - —
China, white, ivory, cs., works..lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottles, cs., works. lb. .14 - —
translucent pastels, cs., works, lb. .17 - —
transparent, cs., works...lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .10 - .15
Quebracho extract,[6] solid, 63%, bgs., c.l., ex dock, in bond based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance, $3.75 per ton..lb. .04⅞- .05⅛
clarified, 64%, bgs., c.l., same basis..lb. .05⅝- .05⅞
dissolved, 35% tan., bbls., works..lb. .04125- .0550
tanks, works.....lb. .03625- .0450
ground, bgs., c.l.....lb. .08 - .09
l.c.l., bgs.....lb. .0825- .0950
Queen of the meadow root, bgs. lb. .11 - .13
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1], flasks (76 lbs. net)..flask. 105.00 -110.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns..oz. 1.08 + .13½[6]
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

[6] Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz. .84 + .13½[6]
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs..... 1.07 + .13½
Bisulphite, USP, cns., 100 ozs..oz. .69 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs. oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs., oz. .90 + .13½
Quinine salicylate, NF, cns., 100 ozs..oz. .79 + .1
Sulphate, USP, cns., 100 ozs.oz. .67 + .13
Sulphocarbolate, cns., 100 ozs. oz. 1.05 + .13
Tannate, USP X, cns., 100 ozs. oz. .63 + .13
Tartrate, cns., 100 ozs.....oz. 1.03 + .13
Valerate, NF IV, 100 ozs...oz. .99 + .13

[6] Surcharge to cover present war risk surance, ocean freight rates, and additio expenses over the cost of usual busine Change in these controlling factors will reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns..oz. .81 + .13
Surcharge: See note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .5

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. .95 - 1.0
Red, alizarin lake,[2] bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.9
Prices ½c. per lb. higher dlvd. Ala., Fl Ga., La. (Shreveport, 1¼c.); Miss., N. S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼ El Paso, 2c.), Cedar Rapids, Des Moin Kansas City, Lincoln, Omaha, St. Josep 1.6c. per lb. higher dlvd. Pacific Co prices equaled with Chicago dlvd. Denv Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works.. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.2
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works..lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
Indian, 80-85%, bbls., same basis..lb. .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls., c.l., l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- .09
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol - rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25% kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots.....lb. 2.02 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide (see Red, iron oxide).
Para[2] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 - —
lake, alizarin, kgs., works, lb. .35 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. 11 - —
Venetian, 5%, bbls., works..lb. 0220- —
10%, bbls., works.....lb. 0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.25 - 2.35
Red precipitate,[2] NF, powd., flb. dms..lb. 2.17 - 2.19
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .85 - 2.60
powd., bbls.....lb. .95 - 2.60
Riboflavin, bots., 100 grams..kilo. 230.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
Rochelle salt, powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .09 - .09½
Spanish, bls.....lb. .13½- .14
Rosin, gum:—
B, dms., c.l.....100 lbs. 5.42 - —
D, dms., c.l.....100 lbs. 5.53 - —
E, dms., c.l.....100 lbs. 6.15 - —
F, dms., c.l.....100 lbs. 6.19 - —
G, dms., c.l.....100 lbs. 6.21 - —
H, dms., c.l.....100 lbs. 6.21 - —
I, dms., c.l.....100 lbs. 6.21 - —
K, dms., c.l.....100 lbs. 6.26 - —
M, dms., c.l.....100 lbs. 6.26 - —
N, dms., c.l.....100 lbs. 6.40 - —
W.G., dms., c.l.....100 lbs. 6.55 - —
W.W., dms., c.l.....100 lbs. 6.85 - —
X, dms., c.l.....100 lbs. 6.85 - —
Wood, F.F., dms., c.l...100 lbs. 3.78 - 3.98

When much *depends on one*

Even in those first tense moments of locating the enemy, the scout's keen eyes are observing every movement, his trained mind interpreting the action for his headquarters. Much depends on him . . . his report is a key piece in the complicated jigsaw of a large-scale military operation.

Much depends on Columbia chemicals, too, in their vital role in so many manufacturing operations. Uninterrupted, economical production and the characteristics desired in finished products are dependent on chemicals that conform to specifications.

This is why Columbia has established the highest standards for its products. This is why Columbia can assure the supplying of chemicals which meet the precise needs of its customers.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
GRANT BUILDING, PITTSBURGH 19, PENNSYLVANIA

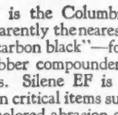
Chicago • • • Boston • • • St. Louis • • • Pittsburgh • • • New York • • • Cincinnati
Cleveland • • • Minneapolis • • • Philadelphia • • • Charlotte

COLUMBIA SPOTLIGHT

THE GLASS AIRPLANE may well become a reality. Glass, spun into very fine fibers, has been combined with materials such as the Columbia Allymers to produce an airplane fuselage which has already passed service tests. This reinforced glass is so strong that, when forced against a section of a light metal alloy of identical size and form, it remains sound while bending the alloy out of shape. The Allymer-glass combination is not permanently affected, despite the fact that it is lighter in weight than the alloy.

COLUMBIA TANK CARS developed for the transportation of 73% Caustic Soda liquor have been of especial value to wartime railroad traffic. Approximately 60% greater tonnage of Caustic Soda can be delivered per tank car trip than could previously be handled in shipping the 50% strength liquor. Three of these new Columbia cars deliver the same tonnage at 73% concentration as did five cars of the 50% liquor. And in addition to tank car use, there has been a corresponding saving in railroad motive power, and in the handling, switching and spotting of a lesser number of tank cars.

BATTLES have been lost for the lack of pure drinking water . . . and Calcium Hypochlorite is playing an important part in safeguarding our armies' water supplies. One of the principal methods used at the front is the Lyster bag. Filled with locally obtained water, enough hypochlorite capsules are added to produce a safe chlorine residual. To the civilian the taste might be repulsive, but to the thirsty, battle-weary soldier it's nectar!



SILENE EF is the Columbia pigment which is apparently the nearest approach to a "white carbon black"—for years the dream of rubber compounders and pigment experts. Silene EF is at present used chiefly in critical items such as inner tubes . . . colored abrasion goods . . . products requiring high tear-resistance . . . and many molded items. It offers interesting possibilities, too, for products outside the rubber industry. Data on Silene EF and samples are available for experimental purposes, free of charge.

COLUMBIA CHEMICALS include Soda Ash, Caustic Soda, Sodium Bicarbonate, Liquid Chlorine, Silene EF (Hydrated Calcium Silicate) Calcium Chloride, Soda Briquettes, Modified Sodas, Caustic Ash, Phosflake, Calcene T (Precipitated Calcium Carbonate) and Calcium Hypochlorite.

Rotenone,[1,6] CP, bbls., works, lb. 10.90 - —
extract, liq., dms., works..... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines. ton. 25.50 - —
l.c.l., same basis..... ton. 37.50 - —
Rue, bls..... lb. .75 - .80

S

Sabadilla seed, powd., bbls.... lb. .30 - .32
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up.. lb. 1.30 - 1.35
smaller lots, same basis. lb. 1.40 - 1.60
Saffron, Mexican, bls..... lb. .70 - .75
Spanish, tins..... lb. 45.00 Nom.
Safrol cns..... lb. 1.35 - 1.50
Sage,[1] Calif., leucophylla, July-Aug., bgs., Pacific Coast, lb. .55 - .56
Cyprus, good, bls..... lb. .20 - .20½
fair, bls..... lb. .17 - .17½
Spanish, bls..... lb. .20 - .20½
Sago flour, bgs..... lb. .05 - .05¾
Salicin, bots., 5 lbs..... lb. No stocks
cns., 25 lbs..... lb. No stocks
Salol, gran., bbls., kgs..... lb. .90 - —
fib. dms..... lb. .92 - .93
powder, 10c. per lb. higher.
Salt rock, bgs., c.l..... ton. 14.20 - —
l.c.l., bgs..... ton. 17.00 -18.00
vacuum, common, fine, bgs., c.l.. ton. 15.70 - —
l.c.l. ..... ton. 19.40 -23.20
Saltcake, dom., bulk, works. ton. 15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons.. 100 lbs. 8.20 - —
smaller lots..... 100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
smaller lots..... 100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots.... oz. 3.75 - —
Santonin, cryst., cns..... kilo. 200.00 -210.00
Saponin, No. 1, cns..... lb. 1.75 - 1.90
No. 2, cns..... lb. 1.40 - —
Sarsaparilla root, Amer., bls.. lb. .35 - .37
Honduras, bls..... lb. .45 - .50
Mexican, bls..... lb. .19½- .20
Sassafras bark, ord., bls..... lb. .38 - .40
select, bls..... lb. .65 - .70
Savory, Spanish, bls..... lb. .33 - .34
Saw palmetto berries, bgs..... lb. .20 - .25
Scammony resin, lump, cns.. lb. 1.30 - —
powd., cns..... lb. 1.35 - —
Root, bgs..... lb. .08 - .10
Schaeffer's salt, bgs..... lb. .46 - —
Scullcap, Eastern, bls..... lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.. lb. .33⅝- —
smaller lots..... lb. .34½- —
kegs, 5,000 lbs., 1 shipm't.. lb. .34¾- —
smaller lots..... lb. .34 - —
Selenium, pwd., cs., 1,000 lbs.. lb. 1.75 - —
cns., 10 lbs..... lb. 1.85 - —
Senega root, spot, lbs..... lb. 1.00 - 1.05
Senna, Alex., half leaf, bls.... lb. .22 - .28
siftings, bgs..... lb. .22 - .24
Tinnevelly, No. 1, bls..... lb. .16 - .16½
2, bls..... lb. .11½- .12
3, bls..... lb. .10 - .10½
powd., bbls., bgs..... lb. .15 - .17
Pods, bls..... lb. .13 - .16
Serpentaria root, bls..... lb. .85 - .90
Sesame seed,[1] Chinese, hulled, bgs.. lb. .13½- .14
Indian, hulled, recleaned, bgs. lb. No stocks
natural, bgs..... lb. .11 Nom.
Shellac,[1] bonedry, bbls., 1,500 lbs.. lb. .42½- —
Boston..... lb. .43½- —
Chicago ..... lb. .44 - —
Pacific coast..... lb. .46 - —
refined, bbls., 1,500 lbs.... lb. .48½- —
Boston ..... lb. .49½- —
Chicago ..... lb. .50 - —
Pacific coast..... lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., V.S.O., Diamond I, bgs., lots of 100.. lb. .4660- —
Garnet, bgs., lots of 100..... lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100.. lb. .3660- —
Chicago, lots of 100..... lb. .3710- —
Pacific coast, lots of 100... lb. .3960- —
TN, bgs., Boston, N. Y., lots of 100.. lb. .3550- —
Chicago, lots of 100..... lb. .3600- —
Pacific coast, lots of 100... lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works. ton. 17.00 - —
l.c.l., same basis.... ton. 20.00 - —
400 mesh, bgs., c.l., same basis.. ton. 18.00 - —
l.c.l., same basis.... ton. 19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis.. ton. 18.00 - —
l.c.l., same basis.... ton. 21.00 - —
400 mesh, bgs., c.l., same basis.. ton. 30.60 - —
l.c.l., same basis..... ton. 35.00 -38.00
96-98%, 325 mesh, bgs., c.l., same basis.. ton. 20.00 - —
l.c.l., same basis.... ton. 21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis.. ton. 20.60 - —
l.c.l., same basis.... ton. 22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis.. ton. 15.50 - —
l.c.l., same basis.... ton. 18.50 - —
140 mesh, bgs., c.l., same basis.. ton. 11.00 - —
l.c.l., same basis.... ton. 16.00 - —
Silicon tetrachloride, tech., 55-gal. dms., c.l., works.. lb. .15½- —
l.c.l., works..... lb. 18½- —
10 gals., works..... lb. .27 - —
Silver bullion..... oz. .44¾- —
govt. purchase, dom..... oz. .7111- —
govt. purchase,[1] foreign... oz. .44¾- —
Cyanide, cns., 100 ozs..... oz. .41½- —
Nitrate, 100-oz. bots..... oz. .32¾- —
Nucleinate, bots., dms..... oz. .308 - .358
Proteinate, bots., dms..... oz. .288 - .338
Simarubra bark, bls..... lb. .52 - .55
Skunk cabbage root, bls..... lb. .40 - .45
Slate flour, bgs., c.l., works.. ton. 11.00 -12.00
l.c.l., works..... ton. 12.00 -13.00
Sloe berries, bgs..... lb. .70 - .75
Smalt, black, ctns..... lb. .05 - .08
Blue, ctns..... lb. .07 - .08¼
Snakeroot, Canada, bls..... lb. .40 - .42
Soapbark, bls..... lb. .11¾- .12¼
crushed, bls., bbls..... lb. .13 - .14
cut, dom., bls., bbls..... lb. .16 - .19
imp., bbls..... lb. .18 - .19
powd., bbls..... lb. .1— - .18
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
l.c.l., dlvd..... lb. .05½- .06
NF, bbls., dlvd..... lb. .09½- .10
Alginate, refined, water-soluble, bbls., works.. lb. .79 - —
semi-refined, bbls., works.. lb. .42 - —
white, powd., dms..... lb. 1.50 - 1.80

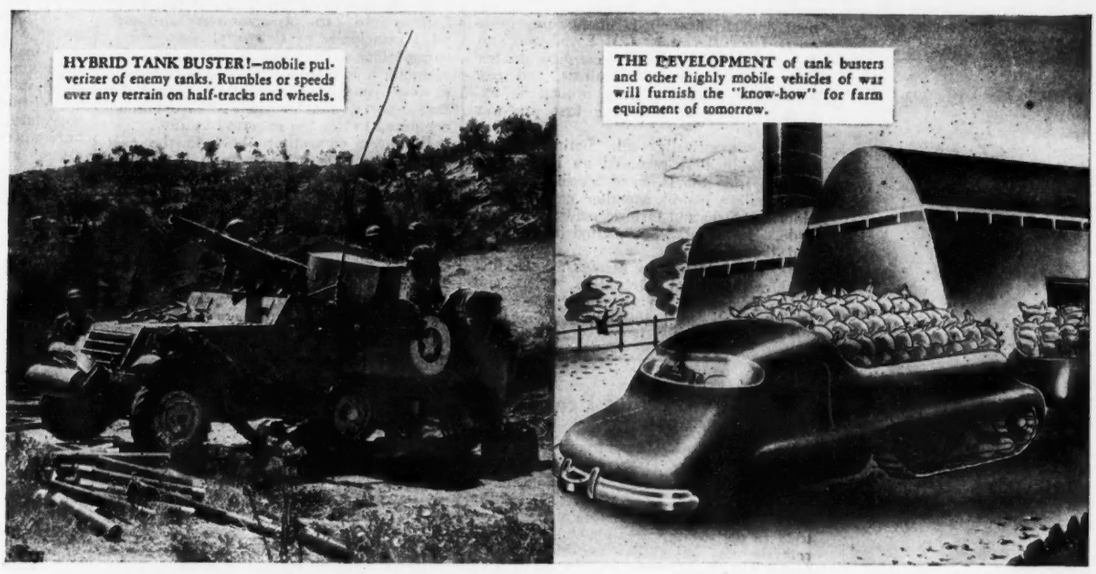
Soda aluminate,[6] for water treat., bgs., c.l., works.. 100 lbs. 7.50 - —
l.c.l., works..... 100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. ..... 100 lbs. 7.50 - 8.00
Antimonate, bbls., dlvd..... lb. .15 - .15½
Arsenate,[6] dms., dealers, c.l., works.. lb. .09½- —
l.c.l., same basis..... lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works.. lb. .08¼- —
l.c.l., works..... lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works.. 100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 ..... 100 lbs. 2.33 - —
3 ..... 100 lbs. 2.58 - —
4 ..... 100 lbs. 2.98 - —
bbls., c.l., works.. 100 lbs. 1.35 - —
2 ..... 100 lbs. 2.50 - —
3 ..... 100 lbs. 2.75 - —
4 ..... 100 lbs. 3.15 - —
bulk, c.l., works.... 100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.13 - —
l.c.l., dlvd. zone 1.... 100 lbs. 2.13 - —
2 ..... 100 lbs. 2.28 - —
3 ..... 100 lbs. 2.53 - —
4 ..... 100 lbs. 2.93 - —
bbls., c.l., works.. 100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 ..... 100 lbs. 2.60 - —
3 ..... 100 lbs. 2.85 - —
4 ..... 100 lbs. 3.25 - —
bulk, c.l..... 100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.13

Soda ash, light, 58%, bgs., l.c.l., dlvd., zone 1.. 100 lbs. 2.13 - —
2 ..... 100 lbs. 2.28 - —
3 ..... 100 lbs. 2.53 - —
4 ..... 100 lbs. 2.93 - —
bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., dlvd. zone 1..... 100 lbs. 2.35 - —
2 ..... 100 lbs. 2.50 - —
3 ..... 100 lbs. 2.75 - —
4 ..... 100 lbs. 3.15 - —
bulk, c.l..... 100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Benzoate, tech., bbls., 2 tons or more.. lb. .39 - —
smaller lots..... lb. .40 - .43
USP, dms., 2 tons or more. lb. .46 - —
smaller lots..... lb. .47 - .52
Bicarbonate, tech., bbls., c.l., works.. 100 lbs. 1.70 - —
l.c.l. ..... 100 lbs. 2.05 - —
bgs., c.l., works..... 100 lbs. 1.55 - —
l.c.l. ..... 100 lbs. 1.90
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. ..... 100 lbs. 2.60 - —

Soda bicarbonate, USP, powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l. ..... 100 lbs. 2.51 - —
kgs., c.l., works.... 100 lbs. 2.10 - —
l.c.l. ..... 100 lbs. 2.76 - —
Bichromate,[6] bbls., cks., c.l., works.. lb. .07¾- —
l.c.l., works..... lb. .07½- .07¾
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E.. lb. .11½- —
l.c.l., same basis..... lb. .12 - .14
kgs., l.c.l., same basis..... lb. .12½- .14
Bisulphite, powd., bbls., c.l., works.. 100 lbs. 3.00 - 3.10
l.c.l., works..... 100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l.. works..... 100 lbs. 1.55 - —
30°, bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., works..... 100 lbs. 1.30 - —
35°, bbls., c.l., wks.. 100 lbs. 1.40 - —
l.c.l., works..... 100 lbs. 1.65 - —
44°, bbls., works..... 100 lbs. 1.55 - —
l.c.l., works..... 100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works.. lb. .27 - .30
fiber dms., works, 100 lbs. lb. .28 - .31
Cacodylate, 5-lb. bots., works. lb. 17.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, powd., 76%, dms., c.l., works.. 100 lbs. 3.70 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd..... 100 lbs. 3.70 - 3.95
3, dlvd..... 100 lbs. 3.95 - 4.20
4, dlvd..... 100 lbs. 4.35 - 4.70
liquid, 47-49%, buyers' tanks, works.. 100 lbs. 1.92½- —
sellers' tanks, works.... 100 lbs. 1.96 - —

SOLVAY*

...KEYED TO TODAY AND TOMORROW!



HYBRID TANK BUSTER!—mobile pulverizer of enemy tanks. Rumbles or speeds over any terrain on half-tracks and wheels.

THE DEVELOPMENT of tank busters and other highly mobile vehicles of war will furnish the "know-how" for farm equipment of tomorrow.

Today . . . Solvay Alkalies comprising Soda Ash, Caustic Soda and many other related products are helping to forge the ponderous tanks, carriers and half-tracks. These vital chemicals are indispensable to the metal producing and fabricating industries. Serving industry since 1881, Solvay is America's largest producer of alkalies.

Tomorrow . . . the gigantic task of feeding the world will challenge agriculture. The productive capacity of farms will be immeasurably aided by new developments in farm equipment. Manufacturers of tools and machinery will continue to look to Solvay for their chemical requirements, and for helpful technical service on their chemical problems.

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TRADE MARK REG. U. S. PAT. OFF.

*The Solvay Process Company employs salt, limestone and ammonia to make Soda Ash, from which basic material Caustic Soda and other alkalies are derived.

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MODIFIED SODAS • AMMONIUM BICARBONATE
SODIUM NITRITE • PARA-DICHLOROBENZENE
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INSIDE NEWS

AUGUST PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1944

ORGANIC CHEMICALS

Exports Can Absorb 10% of Post-War Output, Latin America Considered Logical Market

After twenty-five years of development, a second period of rapid growth and expansion of organic chemical industries is forecast by The U. S. Bureau of Foreign Commerce.

Pre-war, in 1937, Europe took one-third of U. S. organic chemical exports; Asia, Africa, Oceania almost a third; northern North America over a quarter; South America accounted for only a sixteenth.

The war-time picture, while distorted by Lend-Lease and other special trade conditions, indicates the ever-growing importance of the Latin-American market, a trend which can be extended into the future, owing to increasing long-term industrialization in many South American countries. The large increases in exports of coal-derived dyes, glycerin, acetic acid and acetone to Western Hemisphere markets are significant in this respect.

While the post-war picture in European, Asiatic, Australian and South African markets is still obscure, owing to unpredictable factors, such as policy towards defeated nations, influence of European cartels, etc., the Latin-American future is considered much clearer for three reasons: (1) permanent industrialization is increasing, quite apart from the war, (2) Latin-American industries will generally consume rather than produce organic chemicals, and (3) lessened competition from abroad is expected during at least the first post-war years.

Thus, practically all Latin-American countries in 1941 recorded an increase of imports from the U. S. of acetic acid, acetone, aniline, benzol, camphor, carbon tetrachloride, citric and tartaric acids, formaldehyde, methanol, hexamethylenetetramine and the phenols.

Best Latin-American Markets. Look first to Mexico, Brazil, Argentina, Chile and Peru for sales of organic chemicals. Brazilian plastic industries, for instance, are increasingly important prospects, as well as Brazil's textile industry, largest user of dyes in South America.

You may also wish to investigate the following consuming channels in Latin America: soap and candle factories, paper industries, tanneries, hat factories, bakery and dairy products, foods and beverages, cigars and cigarettes, drugs and pharmaceuticals, dry cleaning establishments, polishes, inks, perfumes, sugar and confectionery, insecticides and disinfectants, photographic supplies, smelters and concentration plants, petroleum refineries, cottonseed mills, flour mills, glass factories, rubber-goods plant, and manufacturers of iron and steel.

Germany dominated pre-war. Before the war, the major part of organic chemicals exported to Latin America were of European, and especially of German origin.

For instance, over 70% of Chile's and Peru's napthalene needs, over 50% of Brazil's and near 50% of Venezuela's were furnished by Germany, which also supplied all of Ecuador's cresylic acid requirements, and 90% of that country's acetic acid imports, 60% of Uruguay's, 90% of Chile's and 75% of Peru's. Hexamethylenetetramine imports into Latin America were also supplied principally by Germany.

Importance to domestic economy. To maintain war-expanded facilities at a rate of employment, organic chemical industries may export as much as 10% of their output, compared to the 3% exported in 1937.

European competitors have in the past taken away this business from U. S. producers, owing to the lack of personal, technical service from U. S. firms. Regular exchange of visits between manufacturers and foreign agents, adaptation of sales policies to local conditions, warehousing and stock-carrying arrangements, as well as simple friendship, will also affect the success of U. S. exporters—and, indirectly, the level of employment and prosperity here at home. 707

Fish Oil vs. Blood Pressure

Scientists have a clew through Vitamin A to a possible strange substance in fish oil having power to reduce high blood pressure. Vitamin A itself may not be the answer since when irradiation was used in tests to destroy the Vitamin A in the concentrate, the vitaminless material still effected hypertension cures on animals used in the experiments. Work is now in progress to find the mysterious compound giving the cure. 708

New Compounds from Glycerine

A growing interest in new compounds from glycerine finds research progressing on the newer derivatives including a study of preparation of dehydroxy acetone, thioglycerol, glycerol ether borates, also the ethers, glycerine formal, glycerine furfural and the chlorohydrins. Development of an improved method of preparing chlorohydrins from glycerine and sulfur monochloride has been initiated. 709

Zinc Saves Steel

Zinc has long served to protect iron and steel structures from rusting—not only as metallic coatings but also as zinc pigments in metal protective paints. Recently there have been major developments in these paints, in which zinc pigments have earned an increasingly prominent part. A booklet summary of these developments, with chief focus on primers and shop coats, finds the principles involved applying to complete systems. Illustrations and typical list of Federal and U. S. Services specifications are included. 710

Compressed Disc Cereals

Cereal discs of favorite breakfast foods, $2\frac{7}{8}$ inches in diameter and fitting readily into the round "C" ration can, are now available in pre-cooked and pre-mixed form to the fighting soldier overseas, even those in active combat duty. These cereal discs, strong enough to be eaten dry without crumbling in the soldier's hand, are easily broken up for eating in conventional mush form. They are $\frac{7}{8}$ of an inch thick and contain about two ounces of cereal. 711

Parachute Ration

A small compact parachute emergency ration fitting into the pockets of a vest worn under a flier's parachute harness has been developed for American airmen. The ration, containing about 1100 calories, is packed in a flat metal container measuring about $5\frac{1}{2}$ inches in diameter, includes four one-ounce chocolate bars, one and one-quarter ounces hard sugar candy, one ounce bar dehydrated cheese and crackers, two bouillon cubes, two sugar tablets, three cigarettes, two packages soluble coffee, four pieces chewing gum, small container of water-purification tablets, small individual can opener . . . the complete package weighing 12 ounces. Two ration packages are issued each flier in combat areas for use in event he bails out. 712

Plastics-Rubber "Wedding"

The gap between plastics and rubbers has been closed for the first time by the "marriage" of plasticized vinyl chloride resins with certain butadiene-type synthetic rubbers to effect vulcanizable blends possessing most of the best properties of each material and creating a new and valuable series of elastomers. Products in which these combinations produce unusual advantages include plating racks and tank linings where they resist the action of corrosives and heat; roll coverings where oxidation, oils and heat are encountered such as in continuous metal processing lines. The field of applications is extensive. 713

Soda caustic, liquid, 70%, buyers' tanks, works..100 lbs. 1.97½- —
sellers' tanks, works... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash. Chloride (see Salt).
Chlorate,[6] cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[2,5] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08¾- .09½
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .23¼
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29¼
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhyd., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glutamate, monobasic, kgs..lb. 1.04 - 1.06

Soda glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms.lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate,[6] anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Soda, molybdate,[6] anhyd., kgs., works..lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis.. ton.32.40 - —
bulk, same basis.....ton.30.00 - —

Soda nitrate, refd., gran., bbls., 10 tons..100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .06%- —
West Coast ports.100 lbs. 8.00 - 8.65
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bbls.....lb. .10 - .11
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
lb. .19 - —
Pantothenate, dext., 100-gram bots..per gram. .10 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
'.c.l., works.....lb. .15¼- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works.. 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00

Soda phosphate, tribasic,[6] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis. 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10½
spot .....lb. .10¾- —
bbls., contract, works....lb. .10 - .10½
spot .....lb. .11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..... 100 lbs. 5.28 - 6.10
l.c.l., same basis...100 lbs. 5.40 - 6.00
bbls., c.l., wks., frt. equald. 100 lbs. 5.45 - 6.30
l.c.l., same basis...100 lbs. 5.60 - 6.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.65 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30

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Metal Etcher

Iron, steel or its alloys can be easily and quickly etched with the new "tool room" metal etcher, recently announced. It is especially suitable for marking tools, gauges, reamers, dies, punches, jigs, fixtures, etc. The mark is burned into the surface and is depth-controlled by etching heat and writing speed. 714

"Inside Story" On Liquid Level

A patented indicator is announced, made adaptable to 30-gallon steel drums in addition to the 55-gallon drums on which it has been successfully used for years. It tells at a glance the inside story about liquid level content of drums containing oil, solvents, etc. and avoids the danger of running short when deliveries are slow. 715

Lye Peeling Of Vegetables

Of interest to canners and dehydrators is a recent booklet on lye peeling, particularly of white and sweet potatoes and other root crops. Possible lye peeling of peaches is receiving research attention, as is the application of caustic soda to grapefruit segmentation . . . all precanning processes. 716

Sodium Pectate From Sisal

Sodium pectate, a gelatinous substance with properties similar to gum tragacanth, is being produced in the United Kingdom from sisal, in commercial quantities. 717

Lactic Acid Fog

A lactic acid fog, made by spraying lactic acid vapor, is being used in England to kill germs in the air. Germs of hospital blankets have been killed also by lactic acid vapor. The acid is vaporized by heating, also by spray in a watery solution. Both ways are effective. 718

Papaw as Preventative

Skin irritation from handling wool, prevalent in the industry in Australia, is now being prevented by a preparation using the juice of the papaw. 719

Viruses Are Proteins?

Viruses, formerly supposed to be ultramicroscopic organisms, are now considered complicated proteins, inanimate in nature, according to recent tests which show they retain their identity in the absence of all B vitamins. 720

Enzymes Potentialities

Development of penicillin has directed active research to other culture of fungi which may produce enzymes of great industrial value. Work now points to enzymes which may bring better leather goods, stronger textiles, new cheeses, turn wood into sugar and sugar into fats. 721

Technical Topics

ANTISPASMOTIC COMPOUNDS — Naphthylacetic acid amino-esters have been found to possess promising antispasmotic action in investigations carried out by a large American pharmaceutical manufacturer. In tests on isolated rabbit intestine, compounds such as the beta (N-piperidino) ethyl ester and betadiethylaminoethyl ester hydrochlorides of alpha- (a-naphthyl) butyric acid and the gammadiethylaminopropyl ester hydrochloride of phenylalphanaphthylacetic acid showed activity in dilutions of 1 to 1,000,000 and 1 to 2,000,000. 722

THIOUREA IN PROCESSING — Thiourea was found to be an effective protective agent of vitamin C during foodstuffs processing in work recently carried out in Ireland. It was found that of the simple solutes tested which might protect ascorbic acid from oxidation in the presence of copper, thiourea was outstanding, and that pharmacologically it displays none of the effects possessed by certain substituted thioureas and is thought to be excreted unchanged by the kidney. 723

WEED CONTROLS—Dinitrocresol compounds were recently suggested in Britain as effective weed control chemicals. Ammonium dinitro-orthocresol was stated to be the most effective salt of the group. A spray of dilute copper chloride solution was also declared to have been shown a good eradicating agent of numerous weeds from cereal crops. 724

COATING RESINS — Cyclohexanol and hydroxybenzoic acid are declared to form resins suitable for use in enamels and other coating compositions in a recent British patent. Small amounts of sulphuric acid catalyze the reaction, to form compounds varying from soft, sticky materials to hard, brittle resins. The products are soluble in the organic solvents normally employed in paint practice. 725

ZEIN ACETATE—Zein acetate has been found to produce films and coatings which are stronger, more flexible, and more water resistant than those employing zein alone. Acetic anhydride, glacial acetic acid, acetyl chloride, and ketene are suitable acetylating agents for zein, and catalysts such as sulphuric acid or anhydrous sodium acetate can be used to speed the reaction. 726

ANHYDROUS MINERAL ACID—Monofluorophosphoric acid is being offered commercially by an American chemical manufacturer as a new mineral acid in anhydrous form. The compound is described as an oily liquid showing some of the analytical reactions of sulphuric acid, but being non-oxidizing, contrary to concentrated sulphuric acid. 727

PROVIDE IMPERMEABILITY — Synthetic resin compositions are now being offered to close porous areas of magnesium, aluminum, and iron castings, making them impermeable to gasolines, oils, solvents and fumes. The metal impregnating resin is applied in solution in monomeric styrene under vacuum and pressure, and then baked to thermoset the resin. 728

TIN RUST COUNTERACTED—Tinplate rusting is counteracted by simple and inexpensive method recently described in a British trade journal. The treatment consists of running the tinplate through a hot oxidizing and detergent solution which forms an invisible protective film on the surface. 729

SEBACATE PLASTICIZER — Dibutyl sebacate has been found a valuable plasticizer for synthetic rubber and other elastomers employed in the war program. Principal value of the sebacate over other plasticizing agents has been its property of maintaining flexibility in the compound in which it is incorporated at sub-zero temperatures, as are found in the Arctic and at high altitudes. Many of the plastic and soft rubber materials perform satisfactorily at normal temperatures, but harden and stiffen when exposed to low temperatures. 730

NICOTINIC ACID—Nicotinic acid, constituent of Vitamin B complex, is obtained from coal tar and bone oil by a process now perfected. 731

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

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Soda silicate, 40° turbid, dms., c.l., works	100 lbs.	.80	—
l.c.l., works	100 lbs.	1.05	1.20
tanks, works	ton.	18.00	—
42° dms., c.l., works	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	1.80
tanks, works	ton.	25.00	—
Silicofluoride,[4] bbls., c.l., works	lb.	.06½	.07
l.c.l., same basis	lb.	.08	.12
Stannate, dms., works, frt. alld. E.	lb.	.32½	.36⅛
Stearate, bbls., works	lb.	.19	.24
Sulphate, NF, dried, powd., bbls.	lb.	.07	.07½
tech., anhyd., bgs., bbls., c.l., works	100 lbs.	1.70	1.90
5 tons or more, works	100 lbs.	1.95	2.15
less than 5 tons, works	100 lbs.	2.20	2.40
cryst. (see Glauber's salt).			
USP, cryst., gran., bbls.	lb.	.07	.10
Sulphathiazole, monohydrate, dms., 1,000-lb. lots	lb.	2.50	—
500-lb. lots	lb.	2.60	—
smaller lots	lb.	2.65	2.80
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.40	—
l.c.l., dlvd	100 lbs.	2.90	3.15
solid, bbls., c.l., works	100 lbs.	3.15	—
l.c.l., dlvd	100 lbs.	3.65	3.90
Sulphite, bgs., c.l., works	lb.	2.10	—
l.c.l., works	lb.	2.35	—
bbls., c.l., works	lb.	2.30	—
l.c.l., works	lb.	2.55	—
powd., bbls., c.l.	100 lbs.	5.25	—
l.c.l.	100 lbs.	5.50	6.00
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.28	.33
powd., bbls.	lb.	.30	.35
Soda sulphocyanide, CP, dms.	lb.	.55	.65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works	lb.	.05½	—
l.c.l., works	lb.	.06	.08
tanks, works	lb.	.04½	—
flake, 70-72%, dms., c.l., works	lb.	.04½	—
l.c.l., works	lb.	.05	—
Sulphoricinoleate, bbls	lb.	12	—
Thiosulphate (see Soda hyposulphite).			
Tungstate,[4] tech., kgs	lb.	1.35	1.50
oda-formaldehyde sulphoxylate, stand. cont. (125-250 lbs.)	lb.	19	22
Solvent naphtha,[4] dms., wks. gal. tanks, E. of Omaha, frt. allo. to 2c. per gal.	gal.	.32	—
Minnequa, Colo	gal.	.27	—
high-flash, dms., works	gal.	.32	—
tanks, frt. alld. E. of Omaha, to 2c. per gal.	gal.	.27	—
Sorbitol,[4] com'l, dms., works	lb.	.17¾	—
Soybean meal,[4] 41%, Decatur, bulk, c.l.	ton.	45.00	—
Protein, alpha, bgs., 40.000-60,000 lbs., works	lb.	.19	—
100-40,000 lbs., works	lb.	.19¼	19½
less than 100 lbs., works	lb.	.23	—
Sparteine sulphate, bots., cns.	oz.	1.80	1.90
Spearmint leaves, bls	lb.	.45	.47
Spikenard root, bls	lb.	.35	.37
Spruce extract, liq., reg., bbls., c.l., works	lb.	.02¼	—
tanks, works	lb.	.01½	—
pwd., super, bgs., c.l., wks.	lb.	.04½	—
Squawvine, bls	lb.	No prices	
Squill, red, powd	lb.	.85	.88
White, bls	lb.	.14	.16
powd., bbls., bxs	lb.	.18	.19
St. Ignatius beans, bgs	lb.	No stocks	
St. John's bread, edible, bls	lb.	.15	.16
Starch, corn, pearl, bgs. 100 lbs.		4.08	—
Chicago	100 lbs.	3.72	—
Starch, corn, powd., bgs. 100 lbs.		4.19	—
Chicago	100 lbs.	3.83	—
Potato, bgs., c.l.	lb.	.0637	—
l.c.l.	lb.	.0712	—
Rice, bgs., c.l.	lb.	No stocks	
Sweetpotato, bgs	lb.	No stocks	
Wheat, thick boil, bgs	lb.	.05	—
Starch iodide, bots	lb.	1.87	—
Stearin, oleo (see Oleostearin).			
Stillingia root, bls	lb.	No stocks	
Stoneroot, bls	lb.	.07½	.08
Storax, cs	lb.	1.25	1.50
Stramonium leaves, bgs	lb.	.22	.23
Seed, bgs	lb.	.20	.21
Strontium bromide, cns., dms.	lb.	.53	.55
Carbonate, 90%, bbls	lb.	.14	.16
98%, bbls	lb.	.23	.25
Chloride, tech., bbls	lb.	.22	.24
Chromate, bbls., kgs., Phila	lb.	.35	.37
Iodide, bots	lb.	3.06	3.15
jars, 25 lbs	lb.	3.00	—
Lactate, dms	lb.	1.30	1.35
Nitrate, bbls., c.l., works	lb.	.07¾	—
l.c.l., works	lb.	.08¼	.08¾
Oxalate, bbls	lb.	.37½	—
Salicylate, NF, dms	lb.	1.10	1.13
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works	ton.	52.00	—
l.c.l., works	ton.	54.00	—
Strontium-calcium sulphide, phosphorescent, dms., works	lb.	2.50	2.85
Strophanthin, bots	oz.	30.00	57.00
Strophanthus seed, Komba, bgs.	lb.	2.65	2.70
Styrolyl acetate, bots	lb.	2.50	3.10
Strychnine, NF, cryst., cns., 100 oz.	oz.	.70	—
powd., cns., 100 ozs	oz.	.60	—
Acetate, cns., 100 ozs	oz.	.88	—
Strychnine arsenate, cns., 100 ozs.	oz.	.91	—
Arsenite, cns., 100 ozs	oz.	.88	—
Glycerophosphate, cns., 100 ozs.	oz.	.89	—
Hydrochloride, cns., 100 ozs.	oz.	.88	—
Hypophosphite, 25-oz. cns., 100 ozs.	oz.	1.00	—
Nitrate, NF, 100 ozs	oz.	.82	—
Phosphate, NF, 100 ozs	oz.	.89	—
Sulphate, cryst., cns., 100 ozs.	oz.	.58	—
powd., c.s., 100 ozs	oz.	.48	—
Sucrose octa-acetate, denat., bbls., l.c.l., works	lb.	.45	—
tech., bbls., l.c.l., works	lb.	.40	—
Sugar coloring (see Caramel coloring).			
Sugar of milk (see Milk sugar).			
Sulphadiazin, 100-lb. dms	lb.	9.00	—
Sulphaguanidin, 100-lb. dms	lb.	5.50	—
Sulphanilamide, bots	lb.	1.35	—
fib. dms	lb.	.90	1.00
Sulphapyridin, powd., bots., tins.	lb.	5.00	5.30
Sulphathiazole, dms., 1,000-lb. lots	lb.	2.30	—
500-lb. lots	lb.	2.60	—
smaller lots	lb.	2.65	2.80
Sesquihydrate, prices same as sulphathiazole.			
Sulphonethylmethane, kgs	lb.	6.75	6.85
Sulphonmethane, kgs	lb.	5.25	5.35
Sulphur, crude, c.l., bulk, mines, contracts, long ton.		16.00	—
f.o.b. vessels, Gulf ports, contract, long ton.		17.50	—
flour, comm'l, 99½%, bgs., c.l., works	100 lbs.	1.65	—
l.c.l., works	100 lbs.	2.00	2.15
precipitated USP bbls., kgs.	lb.	.18	.30
refined, flour, extra fine, bgs., c.l., works	100 lbs.	2.90	—
l.c.l., works	100 lbs.	3.25	3.40

Sulphur, refd., flour, heavy bgs., c.l., works..100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, comml. cyls., works..lb. .07 - .08
multi-unit cars, works..lb. .04* - .06
tanks, works.....lb. .04 - —
refrigeration, cyls., works, lb. .18 - .21
multi-unit cars, works..lb. .04½ - .06
Iodide, bots., jars..... .....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11

Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88¼c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $3.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ½c., per unit-ton higher. triple, 40% and more a.p.a.,

Superphosphate bulk, producing points, Florida....unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —

Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

T

Talc, dom., aluminum-flake type, grd., bgs., c.l., works, ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l.,works.ton.17.50 -43.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 13.50
l.c.l., works.....ton.12.00 14.50
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05¾- —
50% (43% fat), dms., c.l...lb. .06¾- —
50% (48% fat), dms., c.l...lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .14 - .15
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs...lb. .06½- .07¼
Java, bgs.....lb. No stocks
Tar acid oil,[2,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l.. works.....gal. .28½- .29¾
25%, dms., c.l., works..gal. .30 - .31¼
l.c.l., works.....lb. .32 - .33½
Pine, retort, dms., c.l., dlvd, East..gal. .32¾- —
l.c.l., works.....(gal. .29¾- —
tanks, dlvd. East.....gal. .27 - —
Tara, powd.....ton.125.00 - —
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .54
Terpin hydrate, com'l, bbls., c.l. lb. .75 - .80
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms..lb. .70 - .75
powd.. bbls.. dms.....lb. .75 - .80
Terpineol, alpha (see A).
Com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .35 - .50
Terpinyl acetate, extra cns., dms..lb. .90 - 1.19
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .08 - .06½
Tetrachlorethylene, N.F., VI, 55-gal, dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrailin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.12.50 - —
Theobromine,[1,6] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride,[6] bots., dms., 100 grams..kilo.180.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] Spanish, bls.....lb. .18½- .19
Thymol, cns.....lb. 2.40 - 2.75
Iodide, bots.....lb. 3.88 - 4.19
dms. .....lb. 3.40 - 3.80
Tikitik: (see Rice bran).
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
Crystals,[6] bbls., bgs.....lb. No stocks
Metal,[1,6] Straits.....lb. .52 - —
Oxide,[6] bbls.....lb. .55 - —
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15¼- —
smaller lots, dlvd.....lb. .15½- .15¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots dlvd.....lb. .17 - .17¼
plain,[5] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd.....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls.¼c. higher; Pac. cst., ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, dms., works, 55-gal..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .82
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .26 - —
Toluol[6] (toluene), 2° indus., dms., return, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnequa, Colo.gal. .28 - —
1° nitration, dms., return, works..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnequa, Colo.gal. .29½- —
Tonga, 50% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.80
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., ozs. .52 - —
Triacetin, dms., works.....lb. .32 - —
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichloroethylene,[6] d m s., c.l., works, frt. alld. Zone 1..lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichlorethylene l.c.l. prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....l.c. .40¼- —
tech., cns., works.....lb. .28½- .45¼
dms., c.l., dlvd.....lb. .25 - .31
l.c.l., dlvd.....lb. .25½- .31½
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] d m s., c. l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .46 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works, ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[2] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .12 - .12½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .86½- .87
sulphate-wood, dms., c.l....gal. .65 - .75
tanks .....gal. .57 - .67
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[2] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —

All you want — no W. P. B. allocation —
Order any time — for immediate delivery

Now—for the first time since Hoffmann-La Roche pioneered in the production of riboflavin—you who want it for pharmaceutical use are permitted *both* by quantity production and by the Government to have *all* you want, *whenever* you want.

It is now the eleventh year since riboflavin (vitamin B_2 or G) was first isolated. Then, 1933, it took from 5,000-11,000 quarts of whey to yield a single gram.

In 1935, when Karrer, collaborating with the Hoffmann-La Roche Scientific Laboratories, announced the first synthesis of riboflavin, the first gram cost $2,500. Commercial production seemed a baffling problem.

Nutritional data, too, were slow in accumulating. Pure crystalline riboflavin (made from liver) was experimentally used in animal feed in 1935. Later, reports began to tell of its growth-promoting properties. In 1938, deficiency symptoms in chicks were described, evidence given that the vitamin could prevent them. Different groups of scientists reported also on hatchability studies. Still later, reports began to establish the precise percentages of riboflavin for various types of feeds and food products.

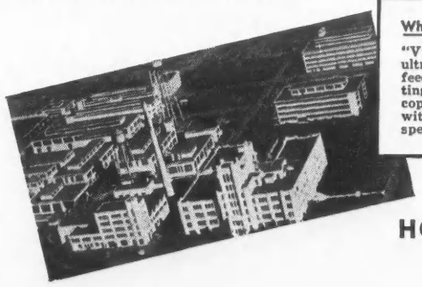
By 1940, date of the Food and Drug Administration's first hearing to consider the addition of vitamins to white flour, nutritionists were convinced that riboflavin deficiency was widespread among our human population, so agreement was reached that it should be included with the other enrichment ingredients.

But it was not till 1941 that the persistence and skill of Roche chemists solved—after 6 years—the problem of industrial production on a scale making possible present-day quantities—at favorable prices.

Large new riboflavin units at Roche Park came into operation in 1943, and pushed production to new peaks. Then, April 1, 1943, the War Production Board issued General Preference Order No. M-299 placing all riboflavin on allocation.

Now, however—as of June 20, 1944—no W.P.B. application is needed. You need not even plan your orders ahead as you have been doing. You are free to order all you want, for immediate delivery, whenever you want it.

And now Hoffmann-La Roche, proud of the part it has been able to play in all this, renews its pledge to you: to produce the finest possible; to do so at the lowest prices consistent with the highest quality.



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"Vitamins by the tons" pour in a steady stream from this ultra-modern scientific plant, to meet military, civilian and feed requirements of America and her Allies. Unremittingly every "batch" must not only fulfill U. S. Pharmacopoeia requirements, but also rigid specifications developed within our own laboratories, still pioneering. When you specify 'Roche'—B_1, B_2, or C—you specify "the finest" 1

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Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
Fixed nitrogen content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3 ton.112.80- —
or f.o.b. usual Atl. and Gulf ports..NH_3 ton.116.80- —

C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Uva ursi leaves, bls.....lb. .22 - .28

V

Valerian root, NF, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb. 9.00 - 9.50
Mexican, cuts, tins.....lb. 7.50 - 8.00
whole, tins.....lb. 9.00 - 9.50
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate,[6] cnys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works....lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Vinylpyridin, ret. dms., works..lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .45 - .55
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers: account...ton.50.00 - —
Wattlebark, So. Afr., bgs., f.a.s., based on freight $11.70, insurance $1 per ton. Difference for buyers' account..per ton.50.00 -55.00
extract liquid, 35% tannin, bbls., works..lb. .05 - .06
tanks.....lb. .0450- .05
solid, So. Afr., 62% tannin, ex dock..lb. .0535- .0560
E. Afr., 61% tannin, ex dock, lb. .05225- .05477
Wax, amorphous, 160°-165° m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
180°-185° m.p., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots.....lb. .16¼- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sunbleachable, bgs., ton..lb. .44¾- —
unbleachable, bgs., ton, lb. .41½- —
ref'd, USP, bricks, bgs., ton, lb. .53½- —
disc., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
Candelilla,[1] crude, bgs., ton..lb. .34½- —
smaller lots.....lb. .35½- .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Wax, candelilla, refined, bgs., ton..lb. .44 - —
smaller lots.....lb. .45 - .54
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l.....ton.23.00 -27.00
Paris white, bgs., c.l..ton.24.00 -28.00
Carnauba,[1] chalky, No. 3, bgs., ton. .71¼- —
smaller lots.....lb. .72¼- .81¼
North Country No. 2, bgs., ton. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton, lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .45½- .51¾
smaller lots.....lb. .50½- .61¾
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 1.98 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l.....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l.....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l.....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l.....ton.23.00 -27.00
Paris white, bgs., c.l., ton.24.00 -28.00
l.c.l.....ton.25.00 -29.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 99¾%, bgs., c.l...ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.13.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l.....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, bls.....lb. .18 - .19
rossed, green, bls.....lb. .23 - .24
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF, bbls..gal. .70 - .75
Leaves, bls.....lb. .10 - .12
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs....lb. .20 - .23
Levant.....lb. 6.50 - —
Wormwood, bls.....lb. .50 Nom.

X

Xylene (see Xylol).
Xylol[6] (xylene), indus. dms. return., works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
Xylol, 10°, dms., return, works, gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, dms., return, works....gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
3°, dms, return, works...gal. .47 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .42 - —
Xylol petroleum solvent, ret. dms., Nr. N. Y.....gal. .26 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., bots., cns...lb. 1.75 - 2.20
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, benzidin, bbls., dlvd...lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts, lb. .16 - —
Chrome yellow prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .08 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Lithopone, bbls., ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis..lb. .63 - —
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Mercury oxide, bbls., 1,000 lbs. lb. 1.83 - —
smaller lots.....lb. 1.85 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¾
French type, bbls., c.l...lb. .0345- —
l.c.l.....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa...lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —

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Zirconium Carbide
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Zirconium Silicates
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Yellow dock root, bls.....lb. .38 - .40
Yellow root (xanthoriza), bls..lb. .18 - .20
Yerba santa leaves, bls.....lb. .24 - .26
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd..lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13¼
l.c.l., same basis.....lb. .12¾- .13¾

—Continued on page 70

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations)
Amberol, phenol formaldehyde type, F-7, extra light, bbls., c.l., works..lb. .15 - —
l.c.l., same basis....lb. .15½- .16
light, bbls., c.l., same basis lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
F-7, dark, bbls., c.l., same basis..lb. .14 - —
l.c.l., same basis....lb. .14½- .15
F-77, bbls., c.l., works...lb. .18½- —
l.c.l., same basis....lb. .19 - .19½
F-71, light, bbls., c.l., works lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
K-12-A, bbls., c.l., works.lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
105-F, A-105-F, bbls., c.l., works..lb. .13 - —
l.c.l., same basis....lb. .13½- .14
B/S-1, extra light, bbls., c.l., works..lb. .13½- —
l.c.l., same basis....lb. .14 - .14½
light, bbls., c.l., same basis lb. .13 - —
l.c.l., same basis....lb. .13½- .14
dark, bbls., c.l., same basis lb. .12½- —
l.c.l., same basis....lb. .13 - .13½
M-82, bbls., c.l., works..lb. .14 - —
l.c.l., same basis....lb. .14½- .15
M-86, bbls., c.l., works..lb. .15 - —
l.c.l., same basis....lb. .15½- .16
M-88, bbls., c.l., works..lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
M-93, bbls., c.l., works...lb. .16½- —
l.c.l., same basis....lb. .17 - .17½
226, bbls., c.l., works....lb. .22½- —
l.c.l., same basis....lb. .23 - .23½
ST-137, bbls., c.l., works.lb. .33 - —
l.c.l., same basis...lb. .33½- .34
ST-137X, bbls., c.l., works. lb. .32 - —
l.c.l., same basis....lb. .32½- .33
rosin maleic type, 800, extra light and light, bbls., c.l., works..lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
801, extra light and light, and 801P, bbls., c.l.lb. .15 - —
l.c.l., same basis....lb. .15½- .16
806P, bbls., c.l., works...lb. .15½- —
l.c.l., same basis....lb. .16 - .16½
808, bbls., c.l., works....lb. .16½- —
l.c.l., same basis....lb. .17 - .17½
925, bbls., c.l., works....lb. .13½- —
l.c.l., same basis....lb. .14 - .14½
926, bbls., c.l., works....lb. .14½- —
l.c.l., same basis....lb. .15 - .15½
750, bbls., c.l., works....lb. .27 - —
l.c.l., same basis....lb. .27½- .28
Aroclors, distilled, dms., c.l, works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works.lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

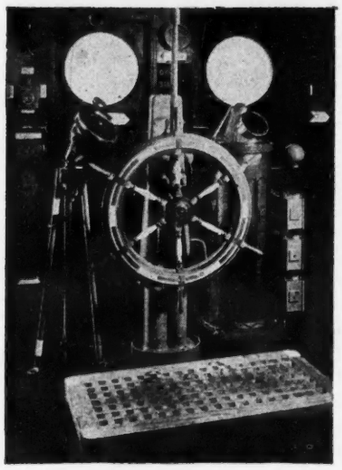
B

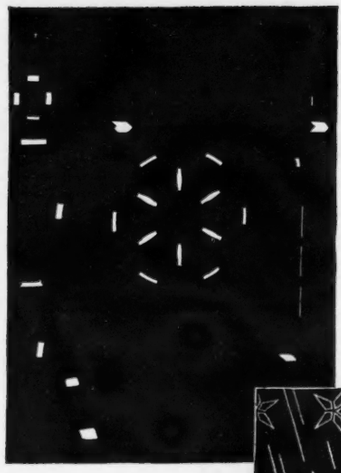
Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening BR-254, dms., ton, works..lb. .33 - —
single dm. and less, works..lb. .33½- .36
100% pale, non-heat hardening, BR-9432, dms., ton, works..lb. .31 - —
single dm. and less, works..lb. .31½- .34
BR-4036, dms., ton, works. lb. .37 - —
single dm. and less, works..lb. .37½- .40
BR-17700, non-ret. bbls., ton, works..lb. .32½- —
single dm. and less..lb. .33 - .35½
dark, non-heat hardening, BR-1329, dms., ton, works. lb. .29 - —
single dm. and less, works..lb. .29½- .32
BR-2175 (MTO), dms., ton, works..lb. .38 - —
single dm. and less, works..lb. .38½- .41
BR-9434, non-ret. bbls., ton, works..lb. .25½- —
single dm. and less, works..lb. .26 - .28½
BR-9476, dms., ton, works. lb. .29 - —
single dm. and less, works..lb. .29½- .32
pale, heat-hardening, BR-3360, dms., ton..lb. .36 - —
single dm. and less, works..lb. .36½- .39
BR-14634, dms., ton, works. lb. .30 - —
single dm. and less, works..lb. .30½- .33
BR-10282, dms., ton, works. lb. .32 - —
single dm. and less, works..lb. .32½- .35
oil-modified, BR-302, dms., ton, works..lb. .346 - —
single dm. and less, works..lb. .351 - .376
resin-baking types, BV-1600, dms., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BV-8966 (MTO), dms., ton, works..lb. .20 - —
single dm. and less, works..lb. .20½- .23
BV-10673, ret. dms., dm. charges not included, ton, works..lb. .35 - —
single dm. and less, works..lb. .35½- .38
Bakelite phenolic resins, phenolic, BK-3962-X, dms., ton works, lb. .277 - —
single dm. and less..lb. .282 - .307
XK-16700, dms., ton, works. lb. .27 - —
single dm. and less..lb. .27½- .30
phenolic resins, non-phenolic, XK-16624, dms., ton, works..lb. .22½- —
single dm. and less..lb. .23 - .25½
XV-16607 (MTO), dms., ton, works..lb. .212 - —
single dm. and less..lb. .217 - .242
phenolic lacquer resins and solutions, XR-3180, dms., ton, works..lb. .45 - —
single dm. and less..lb. .45½- .48
100% phenolic, rosin reactive, XR-15775, ret. dms., dm. charges included, ton, works..lb. .33½- —
single dm. and less..lb. .34 - .36½
XR-15778, ret. dms., dm. charges included, ton, works..lb. .50 - —
single dm. and less..lb. .50½- .53
XR-4357, dms., ton, works. lb. .45 - —
single dm. and less..lb. .45½- .48
XJ-10433, dms., ton, works. lb. .37 - —
single dm. and less..lb. .37½- .40
BR-9366, dms., ton, works. lb. .18½- —
single dm. and less..lb. .19 - .21
glycerine reactive, BR-10025, dms., ton, works..lb. .28 - —
single dm. and less..lb. .28½- .31
Bakelite resin, modified, BR-2963, dms., ton, works..lb. .22 - —
single dm. and less..lb. .22½- .25
BR-11504, dms., ton, works. lb. .18 - —
single dm. and less..lb. .18½- .21
BR-11544, dms., ton, works. lb. .18 - —
single dm. and less..lb. .18½- .21
BR-2072, not-ret. bbls., ton, works..lb. .23 - —
single dm. and less..lb. .23½- .26
C-9 resins, solid types, BR-13202, dms., ton, works..lb. .15 - —
single dm. and less..lb. .15½- .18
liquid types, BR-14590, dms., ton, works..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15780, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37
BR-16640, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37
XJ-15408, dms., ton, works. lb. .24 - —
single dm. and less..lb. .24½- .27
XJ-16580, dms., ton, works. lb. .26 - —
single dm. and less..lb. .26½- .29
XR-15840, dms., ton, works. lb. .34 - —
single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum charges prepaid to destination in the United States on shipments of standard drum quantities or multiples thereof, with the exception of those to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, deliveries to which cost 1c. per lb. more.

Made-to-order materials marked (MTO) are those which are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100 M-K, 1112-WG-N, c.l..lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
1102, M-K, c.l.....lb. .12 - —
l.c.l., same basis.....lb. .12½- .13
1116, K-1, 1123 M-K, c.l., same basis..lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
1124, M-K; P-306, M-K, c.l. lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
P-370, M-K, c.l.....lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
P-405, N-K, c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-406, M-I, c.l.....lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
1110, N-M, c.l.....lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
IIII WG-N, No. 1120, M-K, l.c. lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
Beckamine, P-2, works, c.l....lb. .11½- —
l.c.l., same basis.....lb. .12 - .12½
P-138, works, c.l.....lb. .22 - —
l.c.l., same basis.....lb. .22½- .23
P-196, c.l.....lb. .26 - —
l.c.l., same basis.....lb. .26½- .27
P-198, accelerator, works, c.l. lb. .28 - —
l.c.l., same basis.....lb. .28½- .29
P-354, works, c.l.....lb. .20½- —
l.c.l., same basis.....lb. .21 - .21½
P-364, works, c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½





PHOSPHORESCENT MARKING TAPE is used extensively aboard ship, applied as directional indicators to the walls of passageways, exits, messhalls, officers' and crews' quarters and engine rooms, and to mark and identify obstructions, fire-fighting stations, and other vital equipment. After activation by the ship's lighting, the tape "glows" in the dark, permitting movement aboard ship, and evacuation in the darkness in any emergency.

The photographs at the left show (extreme left) steering equipment marked with phosphorescent tape and (immediate left) how this tape "glows" in the dark.

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have been used extensively in a wide variety of war applications—phosphorescent marking tapes, signs, fluorescent maps, instrument dials and instruction plates, computers and charts, correction sheets, and the like. Many practical post-war applications are indicated, a few of which are illustrated on this page.

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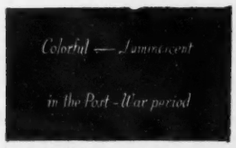
- *Coated and Filled Paper*
- *Printing Inks*
- *Coated and Printed Textiles*
- *Decalcomanias*

Our new booklet "The ABC of Luminescence" should suggest many ways in which these pigments can be used in your products of tomorrow. Your copy will be mailed to you on request.

LUMINESCENT TEXTILES in the form of draperies, lamp shades, etc. may help to decorate the post-war theatre, hotel room, cocktail lounge or home to permit movement in the dark.



THE POST-WAR BILLBOARDS, posters and displays may carry one message in daylight, a different luminescent one at night, or luminescent on-and-off flash effects in the dark.

COLORFUL, LUMINESCENT EFFECTS (painted, printed, plastic) for interior decoration in semi-darkness, as illustrated above (left) in daylight, and (right) taken in the dark.

PHOSPHORESCENT TRADE-MARKS, or name plates on your products "glow" in the dark, leaving a lasting impression on consumers' minds.

PHOSPHORESCENT SIGNS (plastic, painted, printed) give directional or instructional guidance in the dark in the event of power failure or emergency. Photographs: (1 & 3) taken in white light, and (2 & 4), photographed in the dark.

New Jersey Zinc

New Jersey Zinc

DEVELOPMENT PRODUCTS DIVISION

THE NEW JERSEY ZINC COMPANY

160 FRONT STREET • NEW YORK 7, N. Y.

Chicago • Boston • Cleveland • San Francisco

- **CAN STABILITY**
- **PERFECT LEAFING**
- **FLEXIBILITY**
- **ADHESION**
- **TOUGHNESS**

WITH

VELSICOL AF-3 RESIN

For Aluminum Baking Vehicles

AF-3, a neutral resin, now off allocation, assures can stability to your aluminum paints and imparts perfect leafing in short and long oil vehicles. This important basic component contributes excellent adhesion to metals in low bakes (250° F. for one hour) combined with maximum hardness and flexibility of film.

For aluminum finishes of outstanding decorative appeal and quality use VELSICOL AF-3 based vehicles.

Further information concerning formulations, etc., upon request.

VELSICOL *Corporation*

GENERAL OFFICES: 120 EAST PEARSON STREET, CHICAGO

PLANT: MARSHALL, ILLINOIS

Beckopol, 1400 M-K, c.l.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
Beckosol, solid, No. 18, 4-5 (80% M.S.), c.l..lb. .26 - —
l.c.l., same basis.....lb. .27 - .28
No. 24, 4-5L (80% toluol), c.l. lb. .33 - —
l.c.l., same basis.....lb. .34 - .35
No. 36, 4-5 (60% toluol), c.l. lb. .38 - —
l.c.l., same basis.....lb. .39 - .40

Cumar resin, AX, non-ret. drums. lb. .06¼- —
BX .....lb. .06¼- —
CX, net weight.....lb. .061 - —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05⅜- —
MH, col. 1.....lb. .11⅜- —
1½-2 .....lb. .10⅜- —
2½-3½ .....lb. .09⅜- —
9 .....lb. .06¼- —
MS .....lb. .10⅜- —
P 10°-90° C., col. 2½ and darker, lb. .10⅜- —
RH .....lb. .10⅜- —
RS .....lb. .10⅜- —
V col. ½.....lb. .12⅜- —
1 .....lb. .11⅜- —
1½-2 .....lb. .10⅜- —
2½ and darker.....lb. .09⅜- —
Cumar resin, W col. ½.....lb. .13½- —
1 .....lb. .12½- —
1½-2 .....lb. .11½- —
2½ and darker.....lb. .10½- —

All "P" grades with melting point below 50 degrees centigrade, and grades AX, BX and CX are shipped in steel drums, with the three last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, dms., c.l., dlvd..lb. .15¼- —
l.c.l. .....lb. .16 - .16½
B, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
E, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- .17
H-1, c.l., dlvd.....lb. .19 - —
l.c.l. .....lb. .19½- —
PV, c.l., dlvd.....lb. .16⅝- —
l.c.l. .....lb. .17¼- —
11, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- —
22, c.l., dlvd.....lb. .13 - —
l.c.l. .....lb. .13½- —
22-B, c.l., dlvd.....lb. .10½- —
l.c.l. .....lb. .11 - —
33, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
44, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
44B, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .15½- .16
55, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - .16½
562, c.l., dlvd.....lb. .16½- —
l.c.l. .....lb. .17 - —
640-N, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
660-N, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
750, any quantity, dlvd.....lb. .15 - —
830, c.l., dlvd.....lb. .17 - —
l.c.l. .....lb. .17½- .18
1800, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
1625, c.l., dlvd.....lb. .17½- —
l.c.l. .....lb. .18 - .18½
2185, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
2195, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- .17
2600, c.l., dlvd.....lb. .18 - —
l.c.l. .....lb. .18½- —
2633, c.l., dlvd.....lb. .14½- —
l.c.l. .....lb. .15 - —
2728, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16 - .17
2775-BS, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
4040, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1222- —
l.c.l., 10 dms., same basis..lb. .1297- —
single dms., same basis..lb. .1447- —
smaller lots, same basis..lb. .1947- —
C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1147- —
10 dms., same basis.....lb. .1222- —
single dms., same basis...lb. .1372- —
smaller lots, same basis...lb. .1872- —

G

G, resin, dms., gross weight, works..lb. .08 - —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs, works.. lb. .40 - —
5,000 to 29,999 lbs., same basis..lb. .41 - —
200 to 4,999 lbs., same basis. lb. .44 - —
up to 199 lbs., same basis..lb. .57 - —
No. 202, 30,000 lbs., works..lb. .48 - —
5,000 to 29,999 lbs., same basis..lb. .49 - —
200 to 4,999 lbs., same basis. lb. .53 - —
up to 199 lbs., same basis..lb. .68 - —
No. 203, 30,000 lbs., works...lb. .52 - —
5,000 to 29,999 lbs., same basis..lb. .53 - —
200 to 4,999 lbs., same basis. lb. .57 - —
up to 199 lbs., same basis..lb. .74 - —
Guai-a-phene, dms., (dms. deposit $6.00), works..gal. 2.47 - —
4 gals. or multiples, glass jars, 4 jars in each paper carton, works..gal. 2.62 - —
1-3 gals., cns., works....gal. 2.82 - —

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.
Hydrogum, P-190 WW-WG, c.l... lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½

J

Jozite (see zinc-iron oxide pigment in regular list above).

K

Kadox (zinc oxide), East of Pacific Coast:—
Nos. 15, 17 and 72, bgs., c.l., dlvd. .....lb. .07⅛- —
Nos. 15, 17 and 72, bbls., c.l., dlvd. .....lb. .07½- —
l.c.l., bgs., dlvd.....lb. .07½- —
bbls., dlvd.....lb. .07⅝- —
Kadox No. 25, bgs., c.l., dlvd..lb. .08½- —
bbls., c.l., dlvd.....lb. .08⅝- —
l.c.l., bgs., dlvd.....lb. .08⅝- —
l.c.l., bbls., dlvd.....lb. .09 - —

Pacific Coast prices ½c. per lb. higher; l.c.l. prices ex warehouse.

Kopol, 500, esterfied, D-B, c.l..lb. .22 - —
l.c.l. .....lb. .22½- .23
501, fused, c.l.....lb. .20 - —
l.c.l. .....lb. .20½- .21

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
33, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.

M

Metronite pigment, 120 and 180 mesh, containers extra, c.l., f.o.b. Millwaukee..ton.10.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.50 - —
325 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, containers extra, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.22.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .14¾- —
190, dms., c.l., dlvd.....lb. .18⅝- —
290, dms., c.l., dlvd.....lb. .20¾- —
fatty acid, 3R, dms., c.l., dlvd..lb. .14¾- —
17, dms., c.l., dlvd.....lb. .12¾- —
19, dms., c.l., dlvd.....lb. .16¾- —

Neo-fat prices 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums in all instances are returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color, 2-½-4, melting point 65-75°C., same basis.. lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483 same basis.....lb. .28 - —
OA, same basis.....lb. .45 - —
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6 nevindene, col. 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 3, dms., works..lb. .12⅜- —
R-9, hard, col. ½, dms., works. lb. .12⅜- —
R-10, hard, col. 1, dms., works..lb. .11⅜- —
R-11, hard, col. 1½-2, dms., works..lb. .10⅜- —
R-12, hard, col. 2½-3½, dms., works..lb. .09⅜- —
R-13, medium, col. ½, dms., works..lb. .12⅜- —
R-14, medium, col. 1, dms., works..lb. .11⅜- —
R-15, medium, col. 1½-2, dms., works..lb. .10⅜- —
R-16, medium, col, 2½-4, dms., works..lb. .09⅜- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium, soft, col. 3½-8, dms., works..lb. .10⅜- —
R-19, medium soft, col. 3½-8, dms., works..lb. .10⅜- —
R-21, soft, col. 3½-8, dms., works..lb. .10⅜- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10⅜- —
R-27, medium soft, col. 1, dms., works..lb. .13⅜- —
R-28, medium soft, col. 1½-2, dms., works..lb. .12⅜- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10⅜- —
R-33, R-34, color 10-15, dms., works..lb. .0625- —
R-35, color 10-15, dms., gross weight, works..lb. .0575- —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .08¼- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevtex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works.. lb. .20 - —
Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04¼- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs, works..lb. .31¼- —
10½%, 100-lb. pkgs.....lb. .52 - —
Iron, 6%, 400-lb. pkg.....lb. .15¼- —
10%, 100-lb. pkgs.....lb. .22½- —
Lead, 24%, 450-lb. pkgr...lb. .14½- .15⅛
32%, 450-lb. pkgs.....lb. .18⅝- —
34%, 100-lb. pkgs.....lb. .19½- —
40%, 100-lb. pkgs.....lb. .23 - —
Lead, 28%, cobalt, 2.8%, 150-lb. pkgs..lb. .30 - —
Lead, 28%, manganese, 2.8%, 150-lb. pkgs..lb. .23¼- —
manganese, 6%, 400-lb. pkgs., lb. .16¼- —
10½%, 100-lb. pkgs.....lb. .27¼- —
Zinc, 8%, 400-lb. pkgs.....lb. .16¼- —
10%, 400-lb. pkgs.....lb. .19¾- —
12%, 100-lb. pkgs.....lb. .23 - —

All prices are dlvd.. east of Denver.

P

Paradene, No. 1, 75-99° C., dms., gross wt., works..lb. .05¼- —
2, 100-124° C., dms., gross wt., works..lb. .06¼- —

Paradene prices are freight equalized with Philadelphia, Pa.
Paradura, AV, 300-lb. bbls., c.l., dlvd..lb. .28 - —
l.c.l. .....lb. .29 - .30
C, c.l., dlvd.....lb. .33 - —
l.c.l. .....lb. .34 - .35

QUICK FACTS to help you make the most of war-busy plasticizers

Because of their importance to war industries, most Monsanto Plasticizers are under Government allocation at present. Efficient use of these chemicals is urgently needed as a step in wartime conservation.

For that reason, we suggest you review this chart on Monsanto plasticizers to be sure you are employing the chemicals that serve you with greatest efficiency.

In addition to the plasticizers listed below, we have others in various stages of development, some of which are available in experimental quantities. We invite your inquiry on any plasticizer problem.

If you want further information, we shall be glad to supply it by mail or by the personal contact of one of our technical service experts. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second St., St. Louis 4, Mo. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

CHARACTERISTICS OF MONSANTO PLASTICIZERS

	Mol. Wt.	Color and Form	Boiling Point	Cryst. or Melt. Point	Sp. G.	Lbs. per Gal.	Refrac. Index	Evap. Rate Gms./sq.cm/hr/ 100°C	Solubility in Water	Retentivity in N/C	Retentivity in Ac/C	Light Fastness in N/C	Light Fastness in Ac/C	USES (These suggested uses are for illustration and are not to be construed as recommending violation of any patent.)
Tricresyl Phosphate	368	Colorless liquid	295°C/13 mm	Non-cryst., solid at −35°C	1.165/20°C	9.7	1.556/20°C	0.00000708	Less than 0.002% at 85°C	100 plus	0	Poor	—	Excellent compatibility with most resins and plastics except cellulose acetate; imparts excellent flexibility with a minimum decrease in tensile strength; excellent fire retarding properties.
Triphenyl Phosphate	326	White flakes	245°C/11 mm	48.5°C	1.268/60°C	10.5	—	0.00000028	0.001% at 34°C 0.002% at 54°C	100	80	Poor	Fair	Standard fire retarding plasticizer especially for cellulose acetate; gives clear tough compositions of good flexibility without tackiness.
Santicizer 8	199	Light amber liquid	—	—	1.188/25°C	9.9	—	0.0002659	0.13% at 23°C 0.213% at 48°C	100	90	Poor	Good	Excellent plasticizer for cellulose acetate, giving brilliance and polish; valuable plasticizer for coating designed to withstand petroleum products; increases flexibility of shellac and protein plastics.
Santicizer 9	171	White granules	—	105°C	1.313/25°C	10.9	—	0.000053 at 65°C	1% at 34°C	25–30	25–30	Poor	—	Imparts gloss; gives smooth working and uniform curing of molded phenolic and urea resins; blends readily with most synthetic resins; does not impart softening action of liquid plasticizers.
Santicizer B-16	336	Colorless liquid	219°C/5 mm	Below −35°C	1.097/25°C	9.15	1.490/25°C	0.0000881	0.0012% at 30°C	100	20–30	Excellent	Excellent	With nitrocellulose, gives clear, brilliant films that are flexible, tough, moisture resistant and have good weathering qualities; solvent for and imparts plasticity to most synthetic resins. Non-toxic.
Santicizer E-15	280	Colorless liquid	190°C/5 mm	20°C	1.180/25°C	9.84	1.498/25°C	0.0001106	0.0175% at 30°C	100	100	Excellent	Excellent	With both acetyl and nitrocellulose, it gives clear, tough flexible films that have much increased resistance to moisture penetration. Non-toxic.
Santicizer M-17	266	Colorless liquid	189°C/5 mm	Below −35°C	1.220/25°C	10.2	1.504/25°C	0.000221	0.09% at 30°C	100	100	Excellent	Excellent	Imparts high degree of permanent plasticity; excellent gasoline resistance. Non-toxic.
Dibutyl Phthalate	278	Colorless liquid	206°C/20 mm	−35°C	1.047/20°C	8.75	1.490/25°C	0.000221	0.001% at 30°C	100	Less than 20	Excellent	—	A standard lacquer plasticizer giving high degree of plasticity; excellent light stability and good weathering qualities.
Diethyl Phthalate	222	Colorless liquid	295°C	−0.3°C	1.123/20°C	9.35	1.503/20°C	0.000617	0.058% at 30°C	100	100	Excellent	Excellent	Generally used in mixture with Dimethyl Phthalate as a plasticizer for cellulose acetate.
Dimethyl Phthalate	194	Colorless liquid	282°C	0°C	1.196/15.6°C	10.0	1.515/20°C	0.001925	0.4% at 32°C 0.6% at 63°C	100	100	Excellent	Excellent	Standard cellulose acetate plasticizer generally used in mixtures with diethyl phthalate or other plasticizers.
Diphenyl Phthalate	318	White powder	—	69°C	1.28/25°C	10.68	1.572/74°C	—	Insol.	65	20	Poor	—	Compatible with nitrocellulose and with the sulfonamide, phenolic, polystyrene and vinyl types of resins; gives increased water resistance to all compositions in which it is used.

Tricresyl Phosphate and Triphenyl Phosphate have excellent fire retardation.

SERVING INDUSTRY . . . WHICH SERVES MANKIND

MONSANTO CHEMICALS

Paradene, 10-P, c.l., divd.	lb.	.35	—
l.c.l.	lb.	.36	.37
46, c.l., divd.	lb.	.22½	—
l.c.l.	lb.	.23	.23½
275, c.l., divd.	lb.	.23	—
l.c.l.	lb.	.24	.25
367, c.l., divd.	lb.	.35	—
l.c.l.	lb.	.36	.37
540, c.l., divd.	lb.	.35	—
l.c.l.	lb.	.36	.37
Paranol resin, extra hard, No. 1, 300-lb. bbls., c.l., divd.	lb.	.15	—
l.c.l.	lb.	.15½	.16
Extra hard, No. 2, c.l., divd.	lb.	.14	—
l.c.l.	lb.	.14½	.15
Hard, No. 1, c.l., divd.	lb.	.13½	—
l.c.l.	lb.	.14	—
No. 3, c.l., divd.	lb.	.12½	—
l.c.l.	lb.	.13	.13½
25, c.l., divd.	lb.	.12½	—
l.c.l.	lb.	.13	.13½
Paranol resin, 25, light, c.l., divd.	lb.	.13	—
l.c.l.	lb.	.13½	—
54-32, c.l., divd.	lb.	.16½	—
l.c.l.	lb.	.17	—
100, c.l., divd.	lb.	.17	—
l.c.l.	lb.	.17½	.18
105-B, c.l., divd.	lb.	.13	—
l.c.l.	lb.	.13½	.14
200, c.l., divd.	lb.	.17½	—
l.c.l.	lb.	.18	.18½
500, hard, c.l., divd.	lb.	.14½	—
l.c.l.	lb.	.15	.15½
extra hard, c.l., divd.	lb.	.17	—
l.c.l.	lb.	.17½	.18
800, extra light, c.l., divd.	lb.	.15	—
l.c.l.	lb.	.15½	.16
800, dark, c.l., divd.	lb.	.14	—
l.c.l.	lb.	.14½	.15
850, c.l., divd.	lb.	.15	—
l.c.l.	lb.	.15½	.16
1600, c.l., divd.	lb.	.14½	—
l.c.l.	lb.	.15	.15½

Durez 202 Resin

Durez is a 100% phenolic resin of the oil- soluble, heat hardening type. The most important property of this resin is its ability to advance or to polymerize and condense on heating with oil or with another resin. The heat-hardening feature results in varnishes and vehicles which set and dry rapidly and which are extremely hard, tough, flexible, and resistant.

The resin is used with oil-soluble, phenolic resins to give fast dry, added film hardness and resistance, especially when soft oils such as dehydrated castor and linseed oils are employed. A typical formulation illustrating this application for Durez 202 is V-50,656. The resin is also used for insulating varnishes of the oleoresinous type which have the ability to cure completely in thick sections when baked. Blown linseed oil is usually used in conjunction with the resin for this application.

In general, Durez 202 is outstanding for producing fast- and hard-drying rubbing, furniture, and floor varnishes, and colored enamels for all metal and wood surfaces. The resin advancing under heat raises the melting point of soft resins and also adds considerable body to oil. The melting point of regular ester gum can be raised 45° F. by heating with 15% of Durez 202. When 25% Durez 202 is used the melting point is increased 65° F., using the capillary tube method. As little as 5% of the resin with linseed oil reduces the bodying time by 25%, and 10% will reduce the bodying time to 50% of that required for the straight oil.

AN-E-3

Army-Navy Aeronautical Specification AN-E-3, Amendment #2, covers a gloss aircraft enamel. Enamels that will pass all requirements of the specification can be made with V-50248, a soft-oil varnish based on Durez 220 Resin. As an illustration, the light yellow enamel made with lead chromate pigment and covered by our number E-50993 meets requirements for dry, dilution stability, flexibility, and water and gasoline resistance.

AN-S-17 Wood Sealer

Amendment #1 of this Army-Navy Aeronautical Specification covers a clear sealer for wood. The sealer is used as an undercoat for dope, lacquer and enamel wood finishes.

The most important requirements of the specification are resistance to lacquer lifting, fast dry, low water permeability, and flexibility at 0° C. All these requirements can be met by a varnish based on Durez 220, a high-melting isomerized terpene phenolic resin, and a combination of dehydrated castor oil and tung oil. A typical formulation for the AN-S-17 Sealer is covered by number V-51008.

Linseed Varnishes

Varnishes having many desirable properties can be produced from straight linseed oil and Durez 219 Resin. Best results are obtained by using a fast-bodying refined grade of linseed oil and cooking in a pound of Durez 219 Resin per gallon of oil. The oil-resin combination is heated at 585-590° F. for a string from the spade, and the remaining Durez 219 is used as a check. By changing the oil length, various properties in the final varnish can be secured, especially with respect to dry, hardness, flexibility, and resistance. Two typical formulations using straight linseed oil are V-51009 and V-51010.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
138 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB

Paranol resin, 1700, c.l., divd.	lb.	.16	—
l.c.l.	lb.	.16½	.17
1750, c.l., divd.	lb.	.15	—
l.c.l.	lb.	.15½	—
1855, c.l., divd.	lb.	.13	—
l.c.l.	lb.	.13½	—
3046-C, c.l., divd.	lb.	.22½	—
l.c.l.	lb.	.23	.23½
3101, c.l., divd.	lb.	.15¾	—
l.c.l.	lb.	.16¼	.16¾
3645, c.l., divd.	lb.	.15	—
l.c.l.	lb.	.15½	.16
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.13	—
l.c.l., 10 dms., same basis, single dms., same basis	lb.	.13½	—
smaller lots, same basis	lb.	.14	—
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.19	—
l.c.l., 10 dms., same basis.	lb.	.14½	—
single dms., same basis.	lb.	.15	—
smaller lots, same basis.	lb.	.15½	—
P.H.O., dms., works	lb.	.20½	—
Phencondensol V-120, non-ret. dms., divd., c.l.	lb.	.24	—
l.c.l., same basis	lb.	.14½	—
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l.	lb.	.15	—
l.c.l.	lb.	.15½	—
S-55, S-70, same basis, c.l.	lb.	.16	—
l.c.l.	lb.	.16½	—
S-85, S-100, same basis, c.l.	lb.	.17	—
l.c.l.	lb.	.17½	—
S-115, same basis, c.l.	lb.	.18	—
l.c.l.	lb.	.18½	—
Piccoumaron resins,[1] 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald.	lb.	.03	—
420-T, same basis	lb.	.0675	—
422-R, 425-R, 427-R, bulk, net wt., same basis.	lb.	.1075	—
430, 435, bulk, gross wt., same basis.	lb.	.045	—
440-T, same basis.	lb.	.0625	—
450, 450-H and 450-S, same basis.	lb.	.09	—
450-EH, same basis.	lb.	.0975	—
460-T, same basis.	lb.	.0575	—
XX-25, XX-40, bulk, net wt., same basis.	lb.	.0625	—
XX-55, bulk, gross wt., same basis.	lb.	.0575	—
XX-70, XX-100, same basis.	lb.	.0525	—
XX-115, same basis.	lb.	.0575	—
T-115, same basis.	lb.	.0725	—
70%, 420-S Sol., ret. dms., net wt.	lb.	.075	—
Plastopal, R-80, ret. dms., divd., c.l.	lb.	.12½	—
l.c.l., same basis	lb.	.13	.14
Pliolite, powder, ton lots, works.	lb.	.66	—
dm. lots, same basis	lb.	.69	—
less dm. lots, same basis.	lb.	.74	—
milled, ton lots, works	lb.	.75	—
dm. lots, same basis	lb.	.79	—
less dm. lots, same basis.	lb.	.84	—
Plyophen, solution, 5000, c.l., works.	lb.	.18	—
l.c.l., same basis.	lb.	.18½	.19
5010, c.l., same basis.	lb.	.18½	—
l.c.l., same basis.	lb.	.19	.19½
5011, c.l., same basis.	lb.	.17½	—
l.c.l., same basis.	lb.	.18	.18½
5012, 5013, c.l., same basis.	lb.	.13	—
l.c.l., same basis.	lb.	.13½	.14
5014, c.l., same basis.	lb.	.14½	—
l.c.l., same basis.	lb.	.15	.15½

R

Resinous oil, No. XI, returnable dms., works.	lb.	.0160	—

S

Silene (see Calcium silicate hydrated under C in Current Market Quotations)			
Staybelite ester, No. 1, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.17½	—
10 dms., same basis.	lb.	.18¼	—
1 dm., same basis.	lb.	.19¼	—
smaller lots, same basis.	lb.	.24½	—
No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1	lb.	.1824	—
No. 3, returnable black iron dms, c.l., f.o.b. cars, destination, zone 1	lb.	.1974	—
10 dms., same basis.	lb.	.2049	—
1 dm., same basis.	lb.	.2149	—
smaller lots, same basis.	lb.	.2649	—
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1	lb.	.14½	—
Staybelite ester, No. 10, 10 dms., same basis.	lb.	.14¾	—
1 dm., same basis.	lb.	.15	—
smaller lots, same basis.	lb.	.20	—
Super-Beckacite, RM-254, 1001, 1020, c.l.	lb.	.33	—
l.c.l., same basis.	lb.	.33½	.34
1003, F.E., c.l.	lb.	.31	—
l.c.l., same basis.	lb.	.31½	.32
2000, M-E, c.l.	lb.	.27	—
l.c.l., same basis.	lb.	.27½	.28
2867, E-D, c.l.	lb.	.23	—
l.c.l., same basis.	lb.	.23½	.24
3011, c.l.	lb.	.31½	—
l.c.l.	lb.	.32	.32½

V

Vanadiset resin, divd. Balto-Washington area, 26-140 tons, shpt.	ton	32.40	-35.40
1-25 tons, shpt.	ton	51.40	-63.00
under 1 ton, shpt.	ton	83.00	—
Canada, Windsor to Montreal, 26-140 tons, shpt.	ton	35.60	-38.60
1-25 tons, shpt.	ton	54.00	-66.00
under 1 ton, shpt.	ton	80.00	—
Greater N. Y., North. N. J., Conn., 26-140 tons, shpt.	ton	31.00	-34.00
1-25 tons, shpt.	ton	48.00	-60.00
under 1 ton, shpt.	ton	80.00	—
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-140, tons, shpt.	ton	36.00	-39.00
1-25 tons, shpt.	ton	55.00	-67.80
under 1 ton, shpt.	ton	87.80	—
Iowa, Wis., Minn., Florida, Alabama, Mississippi, 26-140 tons, shpt.	ton	36.00	-39.00
1-25 tons, shpt.	ton	56.00	-68.80
under 1 ton, shpt.	ton	88.80	—
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, 26-140 tons, shpt.	ton	41.00	-43.00
1-25 tons, shpt.	ton	60.00	-80.00
under 1 ton, shpt.	ton	90.00	—
New England (except Conn.), 26-140 tons, shpt.	ton	32.40	-35.40
1-25 tons, shpt.	ton	53.00	-62.80
under 1 ton, shpt.	ton	82.00	—
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, 26-140 tons, shpt.	ton	32.00	-35.00
1-25 tons, shpt.	ton	53.00	-65.80
under 1 ton, shpt.	ton	85.80	—
Ohio, Mich., Ind., W. Va., 26-140 tons, shpt.	ton	33.60	-36.60
1-25 tons, shpt.	ton	54.00	-64.00
under 1 ton, shpt.	ton	84.00	—
Pac. Coast, Ariz., New Mex., Utah, Nev., Idaho, Mont., Wyoming and Canada (except Windsor to Montreal), 26-140 tons, shpt.	ton	51.00	-54.00
1-25 tons, shpt.	ton	70.00	-82.00
under 1 ton, shpt.	ton	94.00	—
Southern New Jersey, East. Pa., Del., 26-140 tons, shpt.	ton	31.00	-34.00
1-25 tons, shpt.	ton	50.90	-62.00
under 1 ton, shpt.	ton	82.00	—

Vanadiset prices are subject to a 3 percent tax on transportation.

Vinylseal adhesive solutions, vinylite resin AYAB, 69-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va.	gal.	2.75	—
less than drum lots, same basis.	gal.	3.00	—
AYAF, 35% by weight, solution in acetone, A-35, drum lots, same basis.	gal.	2.10	—
less than drum lots, same basis.	gal.	2.50	—
modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T 24-9, 20-drum lots, same basis.	gal.	2.00	—
drum lots, same basis.	gal.	2.25	—
less than drum lots, same basis.	gal.	2.50	—
28% by weight, solution in 82% methyl acetate, MA 28-14, 20-drum lots, same basis.	gal.	2.15	—
drum lots, same basis.	gal.	2.40	—
less drum lots.	gal.	2.65	—

All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.

Vinylite resins, vinyl chloride-acetate, VYNW, VYNU, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.	lb.	.40	—
10,000 to 29,999 lbs., same basis.	lb.	.41	—
200 to 9,999 lbs., same basis.	lb.	.42	—
1 to 199 lbs., same basis.	lb.	.58	—
VYNS, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.54	—
10,000 to 29,999 lbs., same basis.	lb.	.55	—
200 to 9,999 lbs., same basis,	lb.	.56	—
1 to 199 lbs., same basis.	lb.	.72	—
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.52	—
10,000 to 29,999 lbs., same	lb.	.53	—
200 to 9,999 lbs., same basis,	lb.	.54	—
1 to 199 lbs., same basis.	lb.	.70	—
vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.)	lb.	.40	—
2,000 to 29,999 lbs., same basis.	lb.	.43	—
200 to 1,999 lbs. same basis.	lb.	.45	—
1 to 199 lbs., same basis.	lb.	.60	—
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.42	—
10,000 to 29,999 lbs., same basis.	lb.	.43	—
200 to 9,999 lbs., same basis,	lb.	.44	—
1 to 199 lbs., same basis.	lb.	.60	—
vinyl butyral resins, XYHL, XYHM, XYNC, granular, 98 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.32	—
10,000 to 29,999 lbs., same basis.	lb.	.33	—
200 to 9,999 lbs., same basis,	lb.	.34	—
1 to 199 lbs., same basis.	lb.	1.00	—

Z

Zinlac, orange or white, 50-gal. bbls.	gal.	1.65	—
kits (5 gals.)	gal.	1.85	—
jugs (1 gal.)	gal.	1.90	—

New RESINS *available*

. . . FOR REVISED WAR SPECS!

As soon as WPB's new ruling, M-139, Direction 2, was issued, establishing phthalic anhydride maximums in alkyd resin vehicles used in certain government specifications, U.S.I. Chemicals developed and tested new resin vehicles meeting these new requirements.

A full line of alkyd resin vehicles for use in enamels, coatings and primers produced under each of these new specifications is now available.

Information on the application of these new U.S.I. alkyd resin vehicles in connection with the new specifications is given in RESINEWS Vol. XI, Issue 2, recently issued to the trade. Further data which may be required will be furnished gladly on request.

THE *Complete* RESIN LINE

"S & W" ESTER GUM — *all types*
CONGO GUM — *raw, fused and esterified*
AROPLAZ — *alkyds and allied materials*
AROFENE — *pure phenolics*
AROCHEM — *modified types*
NATURAL RESINS — *all standard grades*

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BAKELITE

TRADE-MARK

ANNOUNCING "BAKELITE" 100 PER CENT ALKYL PHENOLIC RESIN

BR-17700

A NEW TYPE OF RESIN SUITABLE FOR A WIDE RANGE OF COATINGS FOR ESSENTIAL INDUSTRIAL AND PRODUCT FINISHING REQUIREMENTS

Properties of coatings based on BR-17700

EXCELLENT DURABILITY • GOOD THROUGH-DRYING • GOOD CHEMICAL RESISTANCE • FREEDOM FROM SKINNING • STABILITY WITH BASIC PIGMENTS

BAKELITE Laboratory's newest offering to the paint and varnish industry is BR-17700, a 100 per cent phenol-formaldehyde, alkyl-substituted type, oil-soluble resin. Without the use of highly restricted raw materials, such as butyl phenol and para-phenyl-phenol, it offers unusual opportunities for improving the quality of a wide range of coatings.

BR-17700 has many of the characteristics of BAKELITE Resin BR-9432, and test comparisons show that varnishes based on these two resins dry substantially alike. BR-17700 should be considered a new type of resin, however, rather than a mere substitute for BR-9432. Some of its basic properties, such as solubility, are notably different from those of other BAKELITE 100 per cent phenol-formaldehyde resins. It is unique in being readily soluble in xylol, and ethyl acetate; almost completely soluble in mineral spirits; and insoluble in acetone.

BR-17700 permits important production economies, for its volatile loss is less than one per cent when heated for 15 minutes at 565 deg. F. It can be used successfully with any of the drying oils or their mixtures. Properly formulated coatings produced from this new resin have good through-drying qualities and excellent durability. Such coatings are free from skinning, stable with basic pigments, and have good chemical resistance.

Fig. 1 shows the times required for polymerization or gelation of tung oil and oiticica oil with BR-17700 in different oil lengths. Figs. 2, 3, and 4 show the viscosity increase which occurs in bodying linseed oil and dehydrated castor oil varnishes at 585 deg. F.

Complete information regarding BR-17700 may be obtained by writing for Technical Bulletin 44-29. It contains formula suggestions, using various oils, and gives recommended cooking procedures.

TRADE (B) MARK

BAKELITE CORPORATION
Unit of Union Carbide and Carbon Corporation
30 EAST 42ND STREET, NEW YORK 17, N. Y.

UCC

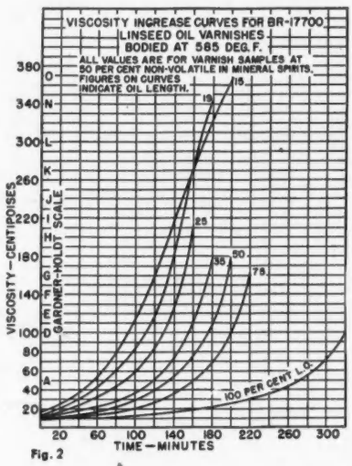
VISCOSITY INCREASE CURVES FOR BR-17700 LINSEED OIL VARNISHES BODIED AT 585 DEG. F.
ALL VALUES ARE FOR VARNISH SAMPLES AT 50 PER CENT NON-VOLATILE IN MINERAL SPIRITS. FIGURES ON CURVES INDICATE OIL LENGTH.
VISCOSITY—CENTIPOISES
GARDNER-HOLDT SCALE
TIME—MINUTES
100 PER CENT L.O.

Fig. 2

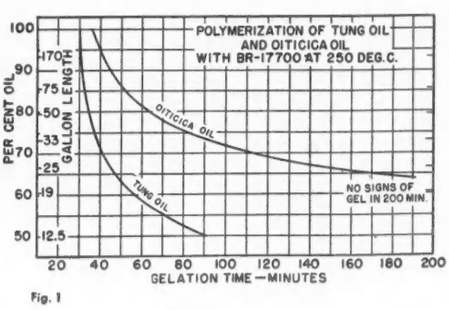
POLYMERIZATION OF TUNG OIL AND OITICICA OIL WITH BR-17700 AT 250 DEG.C.
PER CENT OIL
GALLON LENGTH
OITICICA OIL
TUNG OIL
NO SIGNS OF GEL IN 200 MIN.
GELATION TIME—MINUTES

Fig. 1

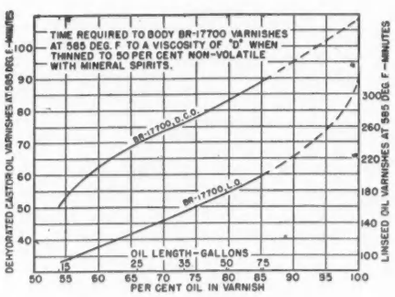
TIME REQUIRED TO BODY BR-17700 VARNISHES AT 585 DEG. F TO A VISCOSITY OF "D" WHEN THINNED TO 50 PER CENT NON-VOLATILE WITH MINERAL SPIRITS.
DEHYDRATED CASTOR OIL VARNISHES AT 585 DEG. F—MINUTES
LINSEED OIL VARNISHES AT 585 DEG. F—MINUTES
BR-17700, D.C.O.
BR-17700, L.O.
OIL LENGTH—GALLONS
PER CENT OIL IN VARNISH

Fig. 4

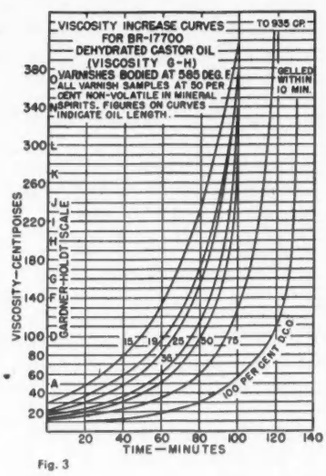
VISCOSITY INCREASE CURVES FOR BR-17700 DEHYDRATED CASTOR OIL (VISCOSITY G-H) VARNISHES BODIED AT 585 DEG. F.
ALL VARNISH SAMPLES AT 50 PER CENT NON-VOLATILE IN MINERAL SPIRITS. FIGURES ON CURVES INDICATE OIL LENGTH.
TO 935 OR GELLED WITHIN 10 MIN.
VISCOSITY—CENTIPOISES
GARDNER-HOLDT SCALE
TIME—MINUTES
100 PER CENT D.C.O.

Fig. 3

Coating Resins

"And Freedom's banner streaming o'er us"

Oil, Paint & Drug Reporter

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Vol. 146 August 7, 1944 Number 6

Peace Can Be Too Soft

The fighting war is making encouraging progress on at least two of its four major fronts. It is difficult to appraise the situation in the Pacific, but the drives on Germany from East and West are rolling along. They are eating up enormous quantities of munitions in the process of blasting the enemy out of existence. Unfortunately, production of replacements for these essential agents of necessary and desirable destruction is not keeping pace with their consumption. Heavy ammunition plants in the United States are perhaps 50,000 short of adequate manpower—and the available manpower is not functioning at a 100-percent level.

The Eastern drive on Germany has only about half as far to go as that from Normandy to reach Berlin. For the good of future generations it is devoutly to be desired that the relativity be maintained until the end. There is growing evidence that, if it is the English-speaking armed forces which bring about the utter rout of the German armies, the outcome will be another foolishly mitigated peace, to be followed, soon or later, by another world-destroying war.

The German leaders know which of their two converging opponents will drive the harder bargain. They are reported to be putting out feelers on the possible mitigating effect of the distribution of some billions' worth of stocks of German industry among United States and British interests. They know that there are quite a number of businessmen in both countries who greatly desire that German business get back its major role in world trade. They can draw gratifying inferences from the fact that persons seized in the United States on full proof of espionage are permitted to plead guilty to charges of sending code messages, illegally possessing a short-wave radio set or a candid camera—in order that they may escape the appropriate penalty of their treason. The, to them, inconceivable, civilized treatment of prisoners of war in this country convinces them that this is a people spiritually, mentally, and physically soft, and easily deluded.

A survey in the Rocky Mountain section of the United States, where the war picture is very obscure, is reported to have disclosed that 70 percent of those interviewed thought that the war in Europe would be shortened if the German people were assured help of the Allied nations toward the restoration of their prewar industrial activities. It is true that such a concession might bring the war to an earlier, but unwisely, conditioned peace. It is true that the result would be a shortening of the interval before the next war. And that war, if not avoided by the strictest vigilance and control, will be an undercover massacre that will be completed before it has formally been declared.

—O-P-D—

Governmental Crutches

A crutch is a useful piece of equipment in time of emergency. It is not a substitute for a good left leg. Reliance on a "crutch" is not good for the future of a leg. Too much reliance may easily result in atrophy.

And that goes for the economic "crutch" as well and as fully as it applies to the anatomical device. To the extent that business relies on governmental aid, it sacrifices self-reliance and it invites the end of all self-determination. Politicians are not philanthropists; somebody must pay for all the pap and pampering they dispense—and the price is high.

There is a more or less illusionary and quite temporary advantage for the business concern which gets any sort of subsidizing assistance from government. But, in the long run, even this advantage takes on "reverse English"—and at all times such discriminatory treatment has an evil effect on business morale and competitive relations. It is in the long run however that the evil becomes most aggravated and destructive, because the subsidization tends to perpetuate incompetence and inefficiency with the resulting high cost of such things.

This economic malevolence is particularly characteristic of the emergency action of the Office of Price Administration in subsidizing production of some material or another which is more or less warrantedly regarded to be insufficiently supplied. It is difficult to conceive why the OPA scheme is to subsidize another producer and that of the War Production Board is, where necessary, to facilitate the expansion of competitive production, instead of assisting existing producers to expand their less costly operations and keep prices down. The only excuse that can be conjectured is that the whole governmental administrative fabric is so impregnated with antimonopolyism of a peculiarly comprehensive type that there must be competition at any price—even in taxpayers' money.

There is no good economic reason why high-cost producers should be subsidized in operations which could be performed by others at less cost. Of course, there are some places where that condition does not exist and new producers must be enlisted. But, there are many instances to the contrary, where the potentialities of existing facilities have not got proper consideration.

The special-ceiling producer has an added advantage in that a, perhaps, lower-cost competitor bound to a price, sometimes 30 percent to 50 percent lower, cannot avail himself—and the consumer—of his lower price. His distribution is limited by allocations. Of course, having bought the higher-cost producer into operation, OPA could not bar him from the market; so WPB gives him a share.

The effects of these discriminations under the stress of war's demands are relatively minor. As business turns more and more to the normal pursuits of peace, those effects can assume alarming aspects. They represent the worst form of governmental interference in business, because government's role is not an open one. The thing to be considered by those who walk now with the aid of a governmental crutch is how they are going to get along without it—if they are ever permitted to drop it. They may find both legs atrophied.

—O-P-D—

Reconversion Handicaps

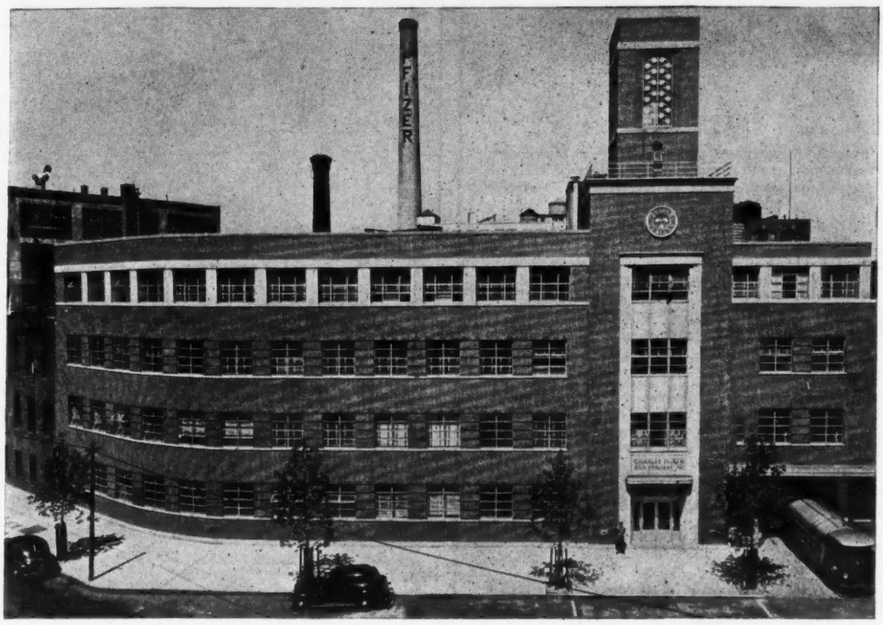
One of the biggest jobs in the problem of the conversion of business from what war demands to what peace will take is the winning for business itself of the place which the satisfactory solution of the problem demands that it have in the preparation and the process of conversion. One of the biggest handicaps to the essential and effective participation of business in the determination of its own future and that of the nation are the Federal business-controlling statutes popularly known and disliked as the antitrust laws. One of the biggest reasons why this handicap exists is the reluctance, or worse, of Congress, largely because of ignorance and incompetence, to make the antitrust laws fit today's problems.

Along in the era of World War I the original Sherman antitrust act got three sisters. In this era of World War II it is fitting and desirable that all four spinsters of the antitrust family be wedded to commonsense views of the several aspects of business operations to which they apply. It may be too much to expect of Congress that it be able to provide such spouses; but, business should start right now to put on the pressure to make the Republican demand in the senate for appropriate and adequate legislative preparation for peace stand up.

There is some food for thought in the argument that too much talking about peace and what must be done to be ready for it, when peace is a long way off, is bad for the home-front morale. Sad to say, this morale is low enough now with respect to willingness to keep on doing warwork. But, the work of preparing for the peacetime functioning of business need not for any reason overshadow the facts of the war, even though most lawmakers talk too soon, as well as too much, and are always provided with opportunities to do so.

Senators are, according to the daily press, advising sound marketing of war surpluses. Maybe they know something about such procedure. They seek to encourage employment and to discourage monopoly by some means of controlled distribution of surplus goods. If they can achieve those things without letting business collaborate in the scheduling of distribution and competition, the antitrust laws need no revision—which is a conclusion that cannot be defended on any rational or realistic grounds.

PENICILLIN PFIZER



The foundation for large-scale production of PENICILLIN-PFIZER was laid more than thirty years ago when research was begun, in the Pfizer laboratories, on the manufacture of Citric Acid by mold fermentation. This investigation, and others of similar nature, has been augmented and pursued continuously by the original group of scientists and engineers carrying on intensive research in this field, and by specialists added to this staff. Resulting from this research, methods for large-scale production of Citric Acid, Gluconic Acid, Oxalic Acid, Fumaric Acid and Sorbose have been perfected, and Pfizer has become the world's largest producer of these products by fermentative methods.

It was because of the wealth of experience and knowledge thus gained that Pfizer has been able to take a leading part in the development of large-scale production of PENICILLIN. Through the intensive efforts of its research, production and engineering staffs, Pfizer is now producing this essential product in greater volume than any other manufacturer in the world, and the output will be increased still further as the new plant is brought up to peak production.

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QUALITY CHEMICAL SERVICE CO.

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SODIUM CHLORATE, CRYSTAL

Packed in drums, approximately 165 lbs.

PURE 99½% TYPE

or

THE SPECIALLY TREATED WEED KILLING SODIUM CHLORATE

with Calcium Carbonate to provide a free flowing product

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Heavy Chemicals

Enough heavy chemical tonnage is moving against existing contract specifications to check reserve accumulations although new business has not exceeded the seasonal average to any unusual degree. Aside from the call from war production industries, more soda ash is moving to the glass industry than in other years because the call for glass containers for packing uses has expanded greatly under the absence of tin. A larger tonnage of soda caustic is going to the oil refineries on account of the stepped up program for aviation gasoline. In addition, the rayon mills are taking more caustic than usual. These influences are draining production and are reflected in the supply conditions of both markets. Calcium chloride has felt the impact of the Summer peak demand. Copper sulphate demand has passed its agricultural peak, the pinch being eased by the extended spell of dry weather which checked blight in the farm lands. The future supply of sulphuric acid did not look any too favorable and was the cause of some concern to the manufacturers of superphosphate. In general, progress of the war was being followed carefully. Confusion of opinions has at least instilled a vein of caution in the extension of commitments and the buying trend has slanted toward conservatism.

Seventeen wholesalers of industrial chemicals reporting to the Bureau of the Census aggregate sales of $1,059,000 in June showed a differential of less than ½ percent from May. Inventories revealed a gain of one percent over May. In comparison with June, 1943, their sales were off 2 percent while inventories remained about the same.

Paper production as a percentage of six-day capacity was 92.7 in the week ended July 22, according to the American Paper & Pulp Association. This compares with 91.3 in the previous week and 90.8 percent a year ago.

Offerings of chemicals listed in some of our market reports are being made by the Regional Redistribution Division of the WPB, Empire State Building, New York City. Sales will be made in accordance with WPB regulations governing excess and idle inventories.

Figures covering production and stocks for the month of May appearing in some of our market reports are taken from statistics compiled by the Chemicals Bureau of WPB.

Cadmium Nitrate. — A lot of 9,000 pounds was taken from excess inventories and offered for sale through the Regional Redistribution Division of WPB.

Carbon Dioxide.—To eliminate present difficulties in securing carbon dioxide for aviation fire fighting equipment, WPB on August 1, 1944 amended direction 5 to priorities regulation 3, providing ratings for listed chemicals and other materials, by adding gaseous, liquid and solid carbon dioxide to the list of affected chemicals. The amendment requires the reduction of blanket AA-1 and AA-2 maintenance, repair and operating ratings for carbon dioxide in accordance with the direction.

Carbon Tetrachloride.—In keeping with the statement at July allocating time that more carbon tetrachloride would probably be available shortly for dry cleaning purposes, several thousand pounds have been allocated for such use; also a goodly quantity of trichloroethylene. The materials will be distributed by the Office of Civilian Requirements.

Copper Sulphate.—Drought has prevented an acute shortage in copper sulphate. The extended dry spell of weather, while injurying crops, has checked blight substantially and the peak of the consuming season has past. Total shipments will probably register 20 percent lower for agriculture than in 1943. At the start, the year had all the earmarks of being a banner one but weather conditions dampened prospects as the season progressed. At that, there was an unsually heavy call for monohydrate, tribasic and special copper dusts that pinched producers because of the manpower shortage. It has always been difficult to man machines for producing copper dusts even in normal times and the scarcity of these materials this year has been pronounced. Supplies of commercial copper sulphate have been drained low but the stockpile has started to increase, with prospects of steady expansion during the coming months. Industrial demand was reported about normal and not urgent. The government has released some fair amounts for export to Central America during the third quarter. A sizable quantity was requested by Argentina but no release was given in this instance owing to current political conditions. Transportation has been satisfactory for the overall season regardless of the discontinuance of low cost trucking and the gradual decline in facilities for low cost water transportation. Production costs have increased and so have prices for suitable packages.

Copper Carbonate. — Continued heavy demand, primarily for use in the prevention of mildew has kept this chemical in an exceedingly tight supply condition.

Copper Oxide.—Production has continued to move for government use in the shipyards. Civilian supply was practically nil.

Fluorspar. — June production was only slightly less than in May regardless of the loss of some manpower to the armed services and to other industries, according to the Bureau of Mines. Nevertheless, production of all grades was in excess of consumption, which also declined moderately. Shipments from mines in June were not only substantially less than the alltime monthly high of May, 1944, but were the smallest since May, 1943. A new producing unit started operations during June. Production during June was 34,965 short tons compared with 36,529 tons in May. Stocks were 136,894 tons at the end of June against 128,099 tons at the end of May.

Methyl Chloride.—Production of all grades for the month of May was 1,936,596 pounds, compared with 2,136,340 pounds for April. Stocks on hand at the end of May were 871,972 pounds against 718,323 pounds at the close of April.

Nickel Salts. — Supply conditions have shown improvement. Producers are in better shape to take care of requirements than they were earlier in the year and shipments are moving out promptly with stocks fairly comfortable.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Acids

Acetic.—Production of synthetic for the month of May was 25,185,075 pounds, compared with 24,471,598 pounds in April. Stocks at the close of May were 9,438,528 pounds, against 9,263,196 pounds at the end of April. Production of natural and from calcium acetate amounted to 3,478,309 pounds, compared with 3,448,145 pounds in April. Stocks at the close of May were 1,292,042 pounds, against 1,060,371 pounds at the end of April.

Chromic.—Supply tight with shipments under allocation. War Shipping Administration has announced that in line with almost complete withdrawal from the cargo war risk insurance field, its open cargo policy for chrome ore will be further reduced after August 26, 1944, by the elimination of this material shipped by water from ports in India and Ceylon.

Lactic.—Production of the technical grade for May was 238,526 pounds, compared with 322,810 pounds in April. Stocks at the close of May were 142,-

For Current prices see alphabetical listing beginning on page 9.

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
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Successors to The J. H. R. Products Co. *Send for informative booklet*

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CHLORINE • SULPHUR • SODIUM HYDROSULPHIDE
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CAUSTIC SODA

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product of
American Agricultural Chemical Company

POTASSIUM CHLORATE
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DUFF CHEMICAL COMPANY, INC.
342 MADISON AVENUE MUrray Hill 2-9114 NEW YORK 17, N. Y.

386 pounds, against 240,820 pounds at the end of April.

Oxalic.—May production was somewhat above April and was the greatest recorded so far this year. The amounts stood at 1,550,038 pounds for May, compared with 1,367,874 pounds for April. Supplies on hand at the end of May were 351,875 pounds, against 452,486. May stocks were the lowest registered so far this year.

Sulphuric.—Position seemed to be growing tighter. So far, the supply has been sufficient to meet essential requirements, but shipments for war production use have absorbed about all the slack and prospects for a greater demand were considered favorable. Superphosphate manufacturers have expressed some concern over the amount of spent acid available, where ordnance shipments have shown a decline.

Insecticides

Dipping to destroy cattle grubs has not been a common practice, but investigations by scientists of the U. S. Department of Agriculture have shown that this method can be used to advantage, except during periods of severe cold weather. It is especially valuable for treating large numbers of animals. A dip which the department's research workers have found to be very effective is prepared with derris or cube powder, in which the grub-killing ingredient is rotenone. This dip, when properly used, will kill from 90 to 95 percent of the grubs and at the same time destroy all lice that are on an animal at time of dipping.

Tartar emetic (antimony-potassium tartrate) is reported by the United States Department of Agriculture to be effective as a poison for the Mexican fruitfly. It is applied as a sweet bait: 1 pound to 50 gallons of thin sugar syrup or diluted molasses.

Recent Imports

All matter under this head fully protected by copyright

ACID, TARTARIC—54 bbls, Bruner & Co

ARROWROOT FLOUR—1,000 bgs, Morningstar Nicol, Inc (Erroneously credited to United States Commercial Co July 24 issue)

BARBASCO ROOT—1,051 bls, United States Commercial Co

BLOOD, DRIED—836 bgs, 83,600 lbs, Wessel, Duval & Co
4,532 bgs, 453,200 lbs, H J Baker & Bro

BONES—564 bgs, 56,400 lbs, International Commercial Co
1,557 bgs, 155,700 lbs, National Bank of Philadelphia
1,635 bgs, 163,500 lbs
5,514 bgs, Wilson & Co

GRANULATED—3,403 bgs, 340,300 lbs, Baugh & Son

REJECT—2,195 bgs, 219,500 lbs, International Commercial Co

SHIN, FLAT—238 bgs, 23,800 lbs, Darmstadt, Scott & Courtney

SHIN, ROUND—303 bgs, 20,300 lbs, Darmstadt, Scott & Courtney

BRISTLES—33 cs, Bank of New York
13 cs, H Rosenbirsch & Co
28 cs, S Hirshenhorn & Son
21 cs, N Wagman Co
293 cs, F H Cone & Co

CASEIN—982 bgs, 127,660 lbs, Wm Diehl & Co
1,189 bgs, 154,570 lbs, T M Duche & Sons
938 bgs, 121,940 lbs, American Cyanamid & Chemical Co
525 bgs, 68,250 lbs, Max Landau & Co
880 bgs, 114,400 lbs, C M Loeb Rhoades Co
567 bgs, 73,710 lbs, L Furth, Inc
1,500 bgs, 195,000 lbs, F H Paul & Stein Bros
500 bgs, 65,000 lbs, H S Cramer & Co
1,750 bgs, 227,500 lbs, American British Chemical Supply, Inc
2,667 bgs, 346,710 lbs, International Corp
300 bgs, 39,000 lbs, National Casein Sales Co
993 bgs, 129,350 lbs, Packing Product Co
711 bgs, 92,430 lbs, Transatlantic Animal By Product Co
447 bgs, 58,110 lbs, C W Burckhalter, Inc

CASHEW SHELL, LIQUID—120 dms, Irvington Varnish Insulator Co

CASTOR BEANS—16,150 bgs, 2,422,500 lbs, First National Bank
5,094 bgs, 762,100 lbs, Irving Trust Co
13,980 bgs, 2,097,000 lbs, United States Commercial Co
10,180 bgs, 1,527,000 lbs, Spencer Kellogg & Sons
9,230 bgs, 1,384,500 lbs, Chemical Bank & Trust Co
3,400 bgs, 510,000 lbs, Industrial Trust Co
7,050 bgs, 1,057,500 lbs, Commodity Credit Co

CASTOR BEANS—8,761 bgs, 1,314,150 lbs, Bankers Trust Co
21,014 bgs, 3,152,100 lbs, Baker Castor Oil Co

CHEMICAL TEXTILE—6 dms

COCOA BEANS—1,000 bgs, 200,000 lbs, Wessel, Kulenkampf & Co
100 bgs, 20,000 lbs, Wessel, Duval & Co
500 bgs, 100,000 lbs, Nieschlag & Co
3,500 bgs, 700,000 lbs, A C Israel Commodity Co
100 bgs, 20,000 lbs, Blumenthal Bros
100 bgs, 20,000 lbs, Little & Christman
100 bgs, 20,000 lbs, Kennedy, Butcher & Co
1,000 bgs, 200,000 lbs, Cocoa Trading Co
500 bgs, 100,000 lbs, Rockwood & Co
500 bgs, 100,000 lbs, W R Grace & Co
1,500 bgs, 300,000 lbs, General Cocoa Co
1,000 bgs, 200,000 lbs, Wood & Selick

CORK—28 bgs, Fred Henjes, Jr

BEARD—415 crates, Alexander Murphy & Co

BOARD—130 crates, Alexander Murphy & Co

BOBBIN—60 pkgs, Fred Henjes, Jr

SHAVINGS—120 bls, Crown Cork & Seal Co

VIRGIN—41 bls, Bank of Manhattan
653 bls, Armstrong Cork Co

WASTE—239 bls, Armstrong Cork Co
380 bls, Wicander & Co
100 bls, Universal Transcontinental Corp

WOOD—273 bls, Bank of Manhattan
1,451 bls, Armstrong Cork Co

CUTTLEFISH BONES—10 cs, Siegbert Neuman
12 cs, Hinton & Co
18 cs, Hudson Shipping Co
2 cs, A Miller

ELDER BERRIES—8 cs, Becker Mayer Seed Co

GLYCERIN—232 dms, International Commercial Co

GUM, COPAL—1 bg, Kennedy, Butcher & Co

GYPSUM—2,015 tons, National Gypsum Co

HAIR, CATTLE TAIL—5 bls, Chase National Bank Trust Co

HORSE—56 cs, F H Cone & Co
17 cs, Guaranty Trust Co
23 cs, J Henry Schroeder Banking Corp
40 cs, Hair & Fiber Supply Co
30 cs, F H Cone & Co
142 cs, S Zeitlin & Son
20 cs, Chase National Bank
21 cs, Sterling National Bank

HORSE MANE—5 bls, First National Bank
30 bls, Brown Bros Harrimann Co

HORSE TAIL—41 bls, Corn Exchange Bank Trust Co
95 cs, Guaranty Trust Co
182 cs, Chase National Bank Trust Co
170 cs, F H Cone & Co
13 cs, S Zeitlin & Son
18 cs, Eugenio Lang

HONEY—10 bbls, D Steengrafe
90 bbls, J G Pattan Co

IPECAC ROOT—28 bls, Edmond Weil, Inc

LAUREL LEAVES—6 bls, Becker Mayer Seed Co

MENTHOL—150 cs, Brown Williamson Tobacco Co
93 cs, Vick Chemical Co
94 cs, McKesson & Robbins

MICA—290 bgs, H Victor

MILKWEED—111 bls, O Brien Product Co

OIL, CASTOR—700 dms, United States Commercial Co
75,477 kilos, United States Commercial Co
2 tins

COTTONSEED—429 dms, United States Commercial Co

LEMONGRASS—12 dms, Balfour, Guthrie & Co

LINSEED—41,005 kilos, United States Commercial Co

OITICICA—983 dms, United States Commercial Co
254 dms, Commodity Credit Co

PETITGRAIN—15 dms, Magnus, Mabee & Reynard

OIL, SASSAFRAS—58 dms, Otto Gerdau Co
10 dms, Lo Curto & Funk

SHARK—21 dms, Distillation Product, Inc

OX GALLS—4 cks, Tupman Thurlow & Co

PAPRIKA—50 bgs, 7,000 lbs, D C Evans Coffee Co
50 bgs, 7,000 lbs, J Raphael & Son
50 bgs, 7,000 lbs, J H Forbes Coffee Co
10 bgs, 1,400 lbs, Archibald & Lewis Co

QUEBRACHO EXTRACT—8,334 bgs, 1,000,080 lbs, American Tanners, Ltd
6,350 bgs, 762,000 lbs, International Product Corp
65,692 bgs, 7,883,040 lbs, Tannin Export Product Co

RESIN—325 cs, T A Desmond & Co

SHARK LIVERS—11 bbls, Cuban American Product Co

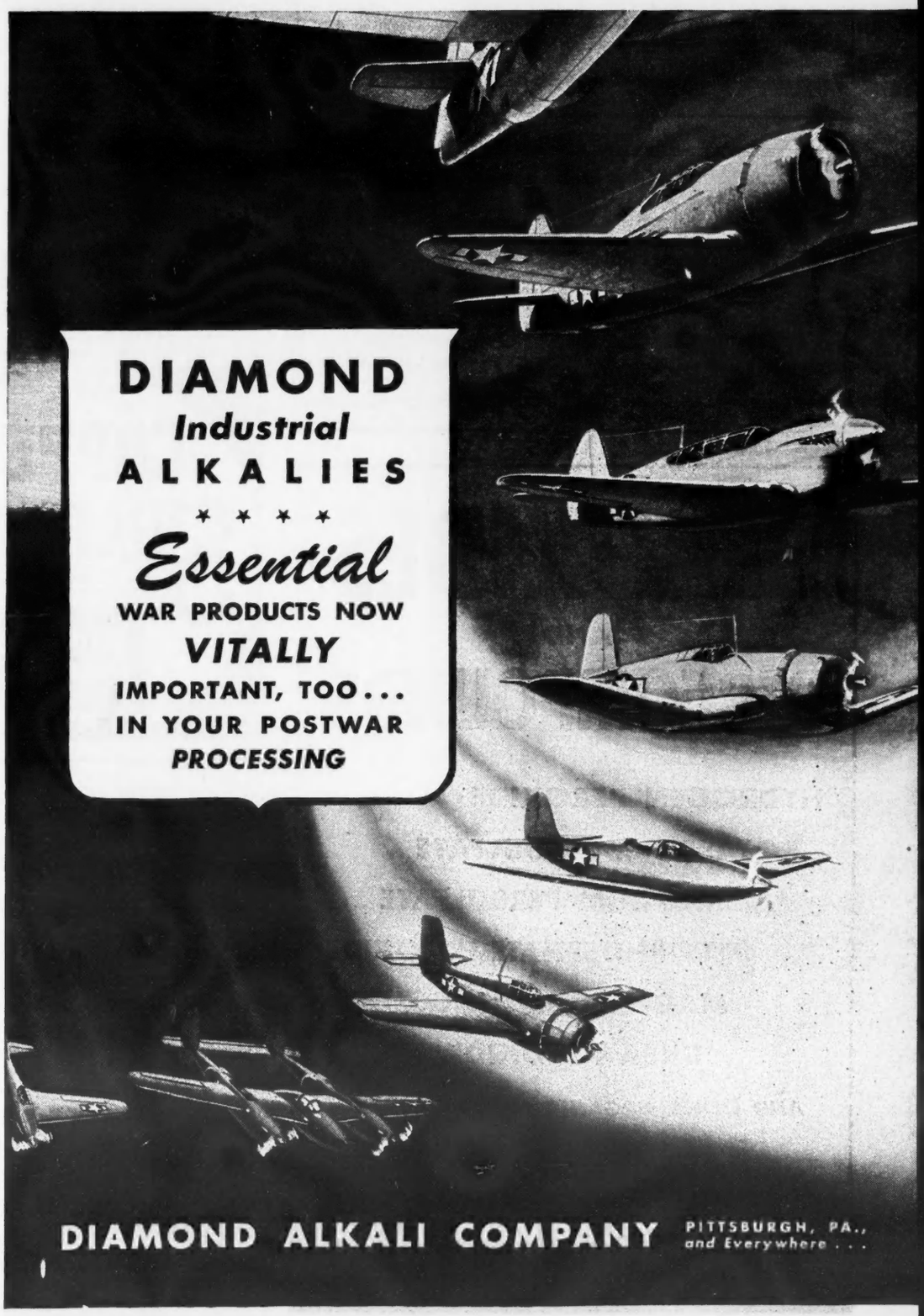
SUNFLOWER SEED MEAL—6,000 bgs, Maurice Pincoffs Co

TANKAGE—1,486 cakes, Charles Hollinshed & Co
7,065 cakes, Kentucky Chemical Industries, Inc
72 bgs, 7,200 lbs, Kentucky Chemical Industries, Inc
1,664 bgs, 1,664 lbs, Wessel, Duval & Co
3,279 cakes, Kentucky Chemical Industries, Inc

LIVER—2,000 bgs, 200,000 lbs, Tupman Thurlow & Co
1,348 bgs, 134,300 lbs, H J Baker & Bro

WAX, BEES—3 bgs, Koster Neunen, Inc
39 bgs, Geck Trading Co

CARNAUBA—55 bgs, Innis, Speiden & Co
22 bgs, Strahl & Pitsch
78 bgs, Philipp Bros
16 bgs, Bunge Corp
33 bgs, F H Ross & Co
179 bgs, Smith & Nichols
77 bgs, Lenape Trading Co
67 bgs, T G Cooper & Co
134 bgs, American Cyanamid & Chemical Corp
82 bgs, S C Johnson & Co
190 bgs, W R Grace & Co
19 bgs, Cornelius Product Co



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UREA PEROXIDE

AND OTHER ORGANIC AND INORGANIC PERCOMPOUNDS

Buffalo Electro-Chemical Company, Inc.
BUFFALO, NEW YORK

Agricultural Insecticide Order Modified by FTC

OPD Washington Bureau

The Federal Trade Commission issued July 11 a compimentary order in its action against members of the agricultural insecticde and fungicide trade. The original cease and desist order, issued July 12, 1942, and modified by the United States Circuit Court of Appeals for the Second Circuit December 23, 1943, is further modified by changing the language, "cooperating in any common course of action" to read "cooperating in any agreed or planned common course of action," with respect to American Cyanamid & Chemical Corporation, the Phelps Dodge Refining Corporation, John Powell & Co., the Southern Acid & Sulphur Company, the Stauffer Chemical Company, and the Tennessee Corporation.

The complaint as to the respondent R. Earl Demmon is dismissed by the commission's latest order.

Carbonate Was Meant

"With calcium chloride to provide free-flowing product" said the advertisement of the Thompson-Hayward Chemical Company about specially treated weed-killing sodium chlorate in OPD for July 24. It transpired a bit later that there was a slip of chemistry in that statement: the addition component is calcium carbonate, not calcium chloride.

Guayule Rubber Factory To Be Erected in Calif.

A guayule rubber plant, consisting of extraction plant, laboratory, warehouse, office and boiler room, will be erected in Bakersfield, Calif., at a cost of $350,000, for the U. S. Department of Agriculture.

Trade Briefs

Korite, Inc., has moved its office and plant to 160 Georgia Avenue, Providence, R. I.

Thompson Laboratories, Inglewood, Calif., has been issued a building permit for construction of a new stucco office building, at a cost of $2,700.

W. S. W. McCarter has been appointed director of research and development of the Attapulgus Clay Company and the Porocel Corporation.

U. S. Detergent Company, New York, has been incorporated with a capital of $5,000 in $10 shares. Subscribers are Frederick Le Pan, Marian V. Fegley and Jay Rose.

Permalite Products, New York, has been incorporated with a capital of 200 shares no par value. Subscribers are Charles A. Frankenhoff, Nelson Gammana and H. B. Jacobson.

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E.M. SERGEANT PULP and CHEMICAL CO., Inc.
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IRVINGTON WORKS NEW JERSEY
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Commercial Flour
Semi-refined Roll "Cone" Sulphur
Lightnin Brand Dusting Sulphur
Magnolia Brand Conditioned Dusting Sulphur
Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
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FORMIC ACID
85-90% GRADES
FINE HEYDEN CHEMICALS

HEYDEN Chemical Corporation
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Textile and Leather Chemicals

Quiet but firm conditions prevailed in the textile and leather chemicals market during the week. Lack of offerings of tanning materials from primary centers, together with a delay in arrivals of previously committed materials supplied the factors sufficient to keep the market in a tight position. As a result quotations were entirely nominal in the absence of trading.

Price ceilings for egg albumen and egg yolk were raised for August, as per the OPA monthly price schedule. Production of both products has declined, and further reduction in the output is anticipated during the next few months.

By an amendment to General Allocation Order M-300, reported by the War Production Board, sodium ferrocyanide, potassium ferrocyanide, potassium ferricyanide and potassium-sodium ferricyanide chemicals used in the photographic and textile industries will be placed under allocation effective September 1. They have been controlled by directive for the last two months.

The small-order exemption per person per month is:—Sodium ferrocyanide, 720 pounds; potassium ferrocyanide, 100 pounds; potassium ferricyanide, 100 pounds; potassium-sodium ferricyanide, 370 pounds.

Officials of WPB's Chemicals Bureau said that the chemicals had been placed under allocation at the request of the industry advisory committee. All of these chemicals are in short supply.

The War Production Board announced amendments to Order M-277, effective July 27, covering deliveries and blending of chestnut extract. This action amended restrictions on deliveries of chestnut extract by providing that no suppliers, except as may be authorized by WPB, shall sell or make any delivery to another supplier or to his own tannery or processing or blending plant. Processors who desire to obtain chestnut extract should submit their purchase orders to their suppliers on or before the fifth day of the month preceding the period during which delivery is desired. Restrictions covering the use of chestnut extract in blends and sales has been amended to provide that no supplier shall increase the proportion in any blend for resale over the proportion used for such purposes during the 1942 calendar year.

Market Trends

Prices Advanced

Albumen, egg, 2c. per lb.
Egg yolk, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
266.2	264.5	264.5	276.7

Chemicals

Formic Acid.—The Interstate Commerce Commission has amended its regulations to permit the use of stainless steel drums for the packaging of formic acid. Action was taken on the request of the industry which had found from tests that such a drum could be safely used. At the same time the commission eliminated from the the regulation provision permitting the use of black iron drums for shipping formic acid after the industry had pointed out that such drums were never so used because they were so susceptible to erosion.

Soda, Hydrosulphite.—Trading was light and spotty, which is usual at this time. Moderate sized lots were moving into consumption, while new business has slackened.

Dyestuffs

Annatto.—The arrival of a small lot recently was delivered on prior contracts. Supplies on the spot continued light. Demand was fair. No improvement was noted in the delayed shipments from primary markets. Prices were steady.

Sizing Materials

Albumen, Blood.—Moderate quantities were moving steadily into consuming channels. Demand for blood was up to seasonal levels. Production continued in good volume, covering current consumption. Prices were firm. Dried soluble demand also was good.

Albumen, Egg.—Production in some quarters has declined which is usual at this season. The market continued on a firm basis, with deliveries still behind. Prices were advanced 2 cents per pound on August 1, as per the OPA monthly schedule. Granular was quoted at $1.84 to $1.92 per pound, according to quantity and powdered at $1.89 to $1.97 per pound, same basis. Demand continued good.

Dextrin, Corn.— Consumers continued to absorb good sized lots against former orders. Production has improved somewhat but continued sold up.

Egg Yolk.—Prices were higher in conformity with the higher OPA monthly schedule, advancing 2c. per pound, to $1.09 to $1.15 per pound according to quantity. The boost in prices became effective August 1. Eggs were boosted 3 cents per pound for August. Buying interest was active. Production has decreased and further reduction is looked for during the next few months.

New maximum prices for wholesale grades of shell eggs for the period beginning July 31 and ending September 30, 1944, were announced by the OPA.

This action, amendment 27 to MPR 333, effective July 28, was taken pending further consideration of the complete revision of the shell egg regulation.

First receiver maximum prices in cents per dozen, by weeks, for wholesale grades of shell eggs and current receipt eggs for civilian consumption in the basing point cities of New York, Seattle, Los Angeles, San Diego, Phoenix and Tucson, are as follows:—

Week beginning	Extras Nos. 1 & 2	Standards Nos. 1 & 2	Standards Nos. 3 & 4 and current receipts
July 31	44.5	39.5	37.5
August 7	45.5	40.5	38.5
August 14	46.5	41.0	38.5
August 21	46.5	41.0	39.0
August 28	47.0	41.0	40.0
September 4	47.5	42.0	40.5
September 11	48.5	42.0	41.0
September 18	49.5	42.5	42.0
September 25	50.5	43.0	43.0

Starch, Corn.—Steady call for various corn products was noted during the week. Deliveries against former orders were moving in increased volume. New business also continued active. Prices were firm at ceilings.

The visible supply of corn declined some 106,000 bushels during the week ended July 29, according to the Chicago Board of Trade, reducing stocks to 12,485,000 bushels, as compared with 5,841,000 bushels a year ago.

According to the Department of Agriculture, stocks of corn July 1, on farms, at terminal markets and government-owned, totaled 583,000,000 bushels, some 236,000,000 bushels less than on July 1 last year, and the smallest stocks on that date since 1937. (These totals were exclusive of stocks of interior mills, elevators and warehouses.)

Tanning Materials

Divi-Divi.—Business continued restricted owing to the lack of offerings from primary markets. The market continued in a firm position, with quotations merely nominal in the absence of trade.

Mangrove Bark.— Market remains firm. Stocks here are low. Inquiry for shipment was moderate, but trading in nearby and forward was quiet.

Myrabolans.—Interest dull owing to high asking prices named for shipment from producing centers. Whole J1 was quoted at $68 per ton and crushed at $75 to $85 per ton, ex dock, New York. J2 was offered at $58 per ton, same basis.

Quebracho—Arrivals of extract totaled 80,376 bags for delivery against prior contracts. Consumption continued at a steady pace, and recent replenishments appear to cover current requirements.

For Current prices see alphabetical listing beginning on page 9.

ALBUMENS

SPECIFY "GARTENBERG"
. . . always Uniform
. . . always Dependable

★ THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU DOMESTIC ALBUMENS AND EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE

Write for Samples and Quotations

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Natural Products Refining Co.
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Natural BICHROMATES

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CARBONATE
CHLORIDE
SULFIDE
CHROMATE
• SODIUM SULFIDE • SODIUM SULFHYDRATE •
• AMMONIUM SULFIDE
MANUFACTURED BY
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CARTERSVILLE, GEORGIA

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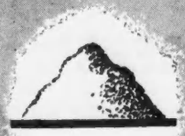
BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMIC ACID
CHROMIUM CHEMICALS
MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE NEW YORK 16, N. Y.

NAPHTHALENE

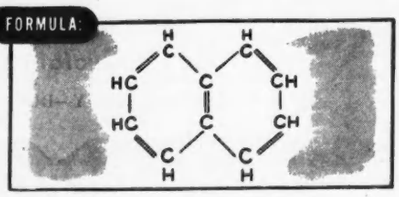


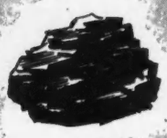
DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

$C_{10}H_8$

FORMULA:





SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-, 8-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

NOTE: Deliveries today are restricted by the primary requirements of naphthalene for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Basic materials maintained their firm position. Demand in most instances was at or above the supply limit while shipments were regulated by WPB. Current strength in the basic market was reflected all through the intermediates, acids and colors. There appeared to be no slack in toluol or the xylols and conditions pointed to a further tightening of supplies. Chemicals Bureau placed naphthalene and diphenylamine under general allocation order M-300, revoking orders M-75 and M-105 under which they had previously been allocated. Heavy shipments of phthalic anhydride for uses in the manufacture of alkyds, miscellaneous resins and esters as well as dyes and intermediates kept supplies in a decidedly tight condition. Hydrogenated solvents displayed a little better supply situation but distinctly better than a few months back.

A revision of rates and a lowering of surcharges on tanker shipments of bulk cargoes in the Atlantic waters, reflecting the improved shipping conditions was announced August 2 by the War Shipping Administration. Revisions included creosote in bulk for U. S. Atlantic ports to U. S. gulf ports ⅝c. per gallon, plus a surcharge of 30 percent. Crude coke oven tar bulk carried the same as above revisions. Benzol in bulk, U. S Atlantic ports to U. S. gulf ports and U. S. Pacific ports, a rate of 27c per barrel, plus a surcharge of 13 percent based on a minimum shipment of 10,000 barrels.

Steel operations for the week beginning July 31 were scheduled at 96.9 percent of ingot capacity, compared with 95.9 percent for the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 94.3 percent. The current schedule is equivalent to a production of 1,735,000 tons of ingots and castings, compared with 1,717,800 tons for the preceding week and 1,702,200 tons for the corresponding week a year ago.

Figures covering production and stocks for the month of May appearing in some of our market reports are taken from statistics compiled by the Chemicals Bureau of WPB unless otherwise specified.

Basic Products

Benzol.—Heavy demand for war production uses continued to absorb the major part of production. The supply for civilian use remained definitely small without indication of any decided improvement in sight. Stepping up of the government's aviation gasoline program suggested a heavy movement of benzol in this direction for some time ahead.

Coaltar. — Production during the month of June as released by the Bureau of Mines was 62,806,026 gallons against 65,762,213 gallons in May and 58,091,000 for June, 1943. Stocks at the end of June were 35,304,301 gallons compared with 39,859,246 gallons in May and 31,909,539 gallons for June, 1943.

Creosote Oil.—Production of tar distilled for the month of May was 10,408,347 gallons compared with 10,869,901 gallons in April. Stocks at the close of May were 26,632,177 gallons against 26,522,738 gallons at the end of April. Byproduct output in May was 3,590,622 gallons compared with 3,562,500 gallons in April. Stocks on hand at the end of May were 1,674,474 gallons against 1,955,584 gallons at the close of April.

Cresols. — Production of metapara during May was 690,558 pounds compared with 640,698 pounds in April. Stocks at the close of May were 458,644 pounds against 294,448 pounds at the close of April. Production of orthometapara amounted to 861,868 pounds in May compared with 665,213 pounds in April. Stocks at the close of May were not revealed.

Cresylic Acid. — May production of crude was 2,010,930 pounds compared with 2,141,226 pounds in April. Stocks at the close of May were 1,491,916 pounds against 1,438,474 pounds at the end of April. Refined production in May was 3,782,406 pounds compared with 3,342,989 pounds in April. Stocks at the close of May amounted to 2,016,307 pounds against 2,154,511 pounds at the end of April.

Naphthalene.—Amount produced by tar distillers in May was 15,368,562 pounds against 17,013,390 pounds in April. Stocks at the close of May were 9,728,602 pounds compared with 9,371,842 pounds at the end of April. Refined output was 7,076,885 pounds in May against 7,578,823 pounds in April. Stocks at the close of May were 351,875 pounds against 452,486 pounds at the end of April. Conservation order M-105 has been revoked by WPB but will not affect any liabilities incurred under the order. Crude and refined naphthalene are subject to allocation under order M-300 as an appendix A Material, subject to schedule 38 issued simultaneously with this revocation. Prior to September 1, 1944, crude and refined naphthalene shall be delivered, accepted and used on the basis of applications and authorizations required by order M-105. The order was issued July 29, 1944.

Phenol.—Production found a steady outlet for essential requirements. The call from chemical manufacturers was exceedingly heavy while sizable quantities were moved to the dyestuff, plastic and inseticide industries.

Toluol. — No relaxation from the former tight position. Demand for war and essential civilian uses taxed production and held the supply position definitely short. Shipments to the manufacturers of protective, cable and aircraft coatings were heavy.

Xylol.—Manufacturers of protective coatings were prominent in the call for shipments last week. There was also a good demand noted for use in the production of adhesives and cements. The supply situation remained tight with the general movement under WPB supervision.

Chicago, Aug. 4.—Quantities of coaltar bases available to the market are limited, and the general market tone holds firm. Inquiry is somewhat better for some of the materials. Orders for benzol have been holding up well. Ruling prices exclusive of tax are: Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—Market firm under fair demand as a solvent for vinyl resins in manufacture of rainproof coatings. Supplies sufficient to meet demand without unusual difficulty.

Cyclohexanol. — Considerable being used as a solvent for resinous materials. Producer's position showed slight improvement with enough material to satisfy essential wants.

Cyclohexanone.—Use for war application and essential materials active enough to hold market steady. Supply position somewhat better than a month ago and considerably better than six months ago.

Coaltar Acids

Anthranilic.—No improvement in supply situation. Production moving steadily for essential uses leaving market in tight position.

Broener's.—Regular contract deliveries took care of output. Supply situation remained tight with prices firm.

Fumaric.—Demand for essential uses reported active. Material moved out about as rapidly as produced keeping supply at a relatively low level.

H.—Production moved out freely to meet demand from dyestuff manufacturers. Market quoted firm at former levels.

Maleic.—Supply situation definitely tight with demand exceeding productive capacity. Present supply definitely short.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

For Current prices see alphabetical listing beginning on page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended July 29 indicate the following output of by-products from that source:—

Ammonia sulphate	lbs.	38,985,899
Benzol	gals.	3,824,566
Coaltar	gals.	14,928,145
Creosote oil	gals.	789,588
Naphthalene	lbs.	1,665,537
Phenol	lbs.	220,072
Toluol	gals.	764,913
Xylol	gals.	172,722

Picramic.—Call active for essential war materials. Pressure of demand took production rapidly holding supply situation tight.

Tobias.—Steady demand from regular consumers kept movement active and prevented accumulation of available supplies.

Other Intermediates

Anilin.—Movement pushed to meet war production and essential civilian uses but supply continued short of demand. Market tight and firm with shipments under WPB regulation.

Anthraquinone.—Consumers resorting to substitutes in some instances owing to the short supply available. Market position continued firm with demand above the production limit.

Benzaldehyde. — Similar to most other intermediates with production short of meeting all government requirements and essential industrial wants.

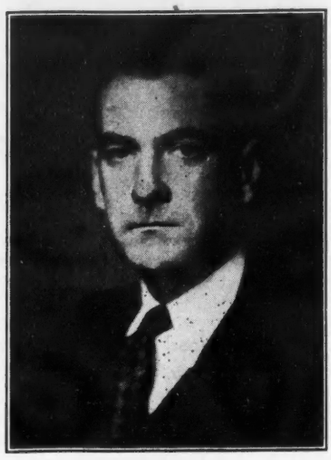
Betanaphthol.—Difficulty in securing basic material keeping production down. Demand for essential uses held available supply tight.

Catechol.—Supply situation fairly comfortable in as much as demand was satisfied promptly. Price position reported steady with no indication of early change.

Diphenylamine. — Allocation order M-75 has been revoked by WPB. This revocation does not affect any liabilities incurred under the order. This intermediate is subject to allocation under general allocation order M-300 as an appendix C material subject to schedule 39 issued simultaneously with this revocation. Use, delivery and acceptance of delivery prior to Septem-

—Continued on page 46

War Chest Drive



Edgar M. Queeny, president of Monsanto Chemical Company, St. Louis, has been appointed vice-president of the third annual Greater St. Louis War Chest campaign. The three-week drive will open October 5.

Corporation Earnings

Freeport Sulphur Company

3 months, June 30	664,436	864,495
Per share	.83	1.08

Lambert Company

3 months, June 30	540,154	528,580
Per share	.72	.70

Lindsay Light & Chemical Company

6 months, June 30	36,088	38,769
Per share	.45	.50

National Cylinder Gas Company

6 months, June 30	747,718	1,212,545
Per share	.56	.91

National Lead Company

6 months, June 30	2,881,028	2,248,954
Per share	.60	.40

Penick & Ford, Ltd., Inc.

3 months, June 30	258,309	258,027
Per share	.70	.70

Union Carbide & Carbon Corporation

3 months, June 30	9,122,837	9,696,633
Per share	.98	1.04

Washington Talks It Over

—Continued from page 5

cetane diesel fuel that gives promise of producing revolutionary results in augmenting the present fuel supply for the many diesel ships in the fleet.

The new high-cetane fuel is produced from a fluid obtained by synthesizing natural gas. The quantity of fuel which can be obtained from this source represents only a small fraction of the total fuel production now obtained from natural petroleum; but, used as a blend, it can raise the quality of the fuel to a high rating, much the same as tetraethyl-lead.

Source of the basic high-cetane fluid is natural gas now vented into the air or wasted in uneconomical uses. The process by which the fuel is produced requires a minimum of critical alloy steel and will employ catalytic technology developed by the synthetic rubber and aviation gasoline programs. The work indicates, the department says, that the procses will make a considerable quantity of a valuable war fuel available to aid in relieving the critical shortage of petroleum products.

Roads to Rome

James Patrick McGovern, capitan in the A.E.F. during the first World War, and well-known in the chemical and allied industries, has composed a sonnet reflecting the basic spiritual force that mankind must cherish if civilization is to survive—let alone advance. He dedicates it to the nation:—

New Roads to Rome

Kaleidoscope of law, religion, art,
And every mortal trial of state and man,
Rome, great theme for every human heart,
Now owes high promise to the American.
Columbus, Genoese, sailed the broad West,
Our arms today crusade by Eastern sands—
Strange wheel of fortune: In true freedom's quest
We turn back Goths and Huns, new heathen bands.
Brave as our legions, be our councils wise
To lay the cornerstone of stable peace
On such foundations as in Rome still rise
Of Christianity's undying lease.
War would ever be a fugitive
If only Christ among us all might live.

Caustic Soda Tanker Surcharges Revised

OPD Washington Bureau

A revision of rates and a lowering of surcharges on tankcar shipments of bulk cargoes in the Atlantic waters, reflecting the improved shipping conditions, was announced August 2 by the War Shipping Administration. In most cases the rate and surcharge changes applied to movements of petroleum to and from South American and West Indies ports. Revisions also were provided in the case of the following:—

Fifty percent liquid caustic soda in bulk between United States Pacific Coast ports, 28c. per barrel, plus a surcharge of 11 percent, based on a minimum shipment of 10,000 barrels, with freight to be paid for 10,000 barrels if a lesser quantity is shipped.

Fifty percent liquid caustic soda in wing tanks from United States Atlantic ports to the Netherlands West Indies, 22½c. per barrel, plus surcharge of 17 percent on a minimum shipment of 2,500 barrels, with freight to be paid for 2,500 barrels if a lesser quantity is shipped.

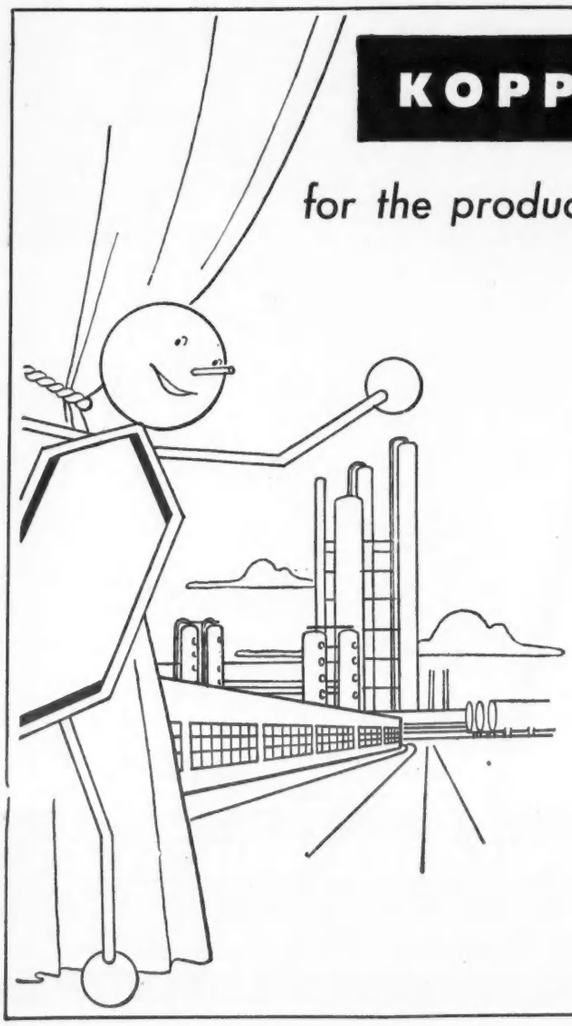
Nadel Forms Company

Percy Nadel, formerly manager of the chemical department of Gunning & Gunning, has formed his own company under the name of the Delton Products Corporation, New York. He will maintain offices at 489 Fifth avenue and will distribute a wide line of heavy and fine chemicals.

Williams General Manager For North American Cyanamid

A. O. Williams has been appointed general manager of the North American Cyanamid Company, Ltd., Niagara Falls, N. Y. He fills the vacancy caused by the death of George Cox.

Buy War Stamps



KOPPERS announces increased facilities

for the production of

Pyridine bases

(TAR BASES)

New plant facilities will make possible the production of increased quantities of pyridine bases, including alpha picoline; mixtures of beta picoline, gamma picoline and 2,6 lutidine; 2,4 lutidine; close boiling fractions boiling within the range 160-200°C.; quinoline and mixed quinaldines.

Pyridine bases are used in the production of pharmaceuticals including the sulfa-drugs, nicotinic acid and nicotinic acid amide; as solvents; as sources of copolymerizing materials for synthetic rubber; in the manufacture of textile waterproofing compounds and in compounding pickling inhibitors.

The greater availability of these pyridine bases should encourage the development of many other uses for them. Koppers will be glad to furnish samples of these bases and will assist in the selection of suitable grades for specific purposes. Request samples from Koppers Co., Tar and Chemical Division, Pittsburgh 19, Pa.

KOPPERS

THE INDUSTRY THAT SERVES ALL INDUSTRY

Monsanto Develops New Treatments for Textiles

Radical new developments in the chemical treatment of fibers which will have a profound effect on the postwar textile industry have been announced by the Monsanto Chemical Company, St. Louis. As a result of research in its Dayton and Boston laboratories dealing with chemical treatment of natural fibers, the company announced that its accomplishments to date include:—

Treatment of wool so that it won't shrink. Treatment of both cotton and wool so that the wearing qualities of these fabrics will be doubled. Treatment of serges to eliminate the shine from the cloth. Treatment of wool so that it creases under steam and heat and then creases durably. Thus trousers or suits that are pressed will retain the crease even in a rain, and will not wrinkle when packed into a suitcase. Treatment of fibers so they will not slip. This means that stockings will not run or seams pull out.

Lacquer Sales for Second Quarter 1944

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the second quarter of 1944, and a comparison with those for the corresponding period of 1943, were as follows:—

	1944	1943
Clear lacquers—		
Gallons	3,298,214	3,307,723
Value	$5,141,913	$5,044,246
Pigmented lacquers—		
Gallons	3,463,201	3,530,801
Value	$7,787,137	$7,739,176
Lacquer bases and dopes—		
Gallons	859,723	778,940
Value	$1,165,190	$1,042,019
Lacquer thinners—		
Gallons	5,238,082	5,537,803
Value	$4,931,655	$5,021,908
Totals—		
Gallons	12,859,220	13,155,267
Value	$18,965,895	$18,847,349

Reilly Tar Issues New Edition of Products Booklet

The Reilly Tar & Chemical Corporation has issued a second edition of a pocket-size booklet in which is described the physical properties of its wide list of products, as well as giving the various uses for the products. This edition contains a number of new by-products of coaltar that have been made available in the past few months. Copies of this informative booklet may be obtained by writing the company at the Merchants Bank Building, Indianapolis, and mentioning the REPORTER.

Coaltar Chemicals

—*Continued from page* 45

ber 1, 1944, will be authorized on the basis of applications filed in the form heretofore presented in the form M-75. The order was issued July 29, 1944.

Phthalic Anhydride.—Output of this material during May is given as 10,713,572 pounds against 10,607,574 pounds in April. Supplies on hand at the end of May were 2,403,789 pounds compared with 1,780,311 pounds at the end of April. Two additional companies are expected to contribute to the supply situation in the near future.

Coaltar Colors

Major consuming industries continued to press for steady shipments of the various coaltar colors with production taxed to meet all essential requirements. Certified colors were also in active demand for uses in the food, cosmetic and drug trades. The overall supply situation was described as tight with the price position firm.

Du Pont Co. Names Steele To Acetate Research Post

Lawrence B. Steele, jr., research chemist in the acetate research section of E. I. du Pont de Nemours & Co., Waynesboro, Va., has been named research supervisor in the same section. He will supervise work on problems related to high-tenacity rayon yarn. Mr. Steele, a native of Georgetown, S. C., was graduated from The Citadel, at Charleston, and took graduate work at the University of Tennessee. He joined the company in September, 1933, as an operator in the semi-works plant at Waynesboro and was appointed a research chemist the following year.

CALO
DOUBLE FILTERED
GLOSS OILS
PURE GUM ROSIN

Produced in large volume under strict chemical control. The lime is thoroughly reacted, giving brilliantly clear Gloss Oils free from suspended lime.

SPECIFICATIONS	Pale	Dark
Color	10-11	12-13
Viscosity at 25 C (G-H)	X-Z	X-Z
Acid Number	58-62	58-62
Total Solids	61-63%	61-63%
Combined Lime Ca OH_2 Approx.	5%	5%
Solvent	Mineral Spirits	Mineral Spirits

SEND FOR SAMPLES AND PRICES
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JOHN H. CALO COMPANY

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Protective Coatings Materials

With no diminution in the placement of war orders yet observable, the volume of business in paints, varnishes and lacquers, and the materials from which they are made, continues to run well ahead of that recorded in the corresponding period of last year—the banner year in these industries—despite the increasing difficulties experienced by the importers, processors and manufacturers of these protective coatings and their ingredients in building up new civilian business, and even in filling all the non-military orders already on their books, due to lack of adequate manpower, import licenses, shipping facilities, containers and a steadily growing number of colors, lacquers and natural and synthetic resins, pressingly needed in the war effort.

Total sales of paints, varnishes, lacquers and fillers reported by 680 manufacturing companies for the first half of this year, as compiled by the Census Bureau, have shown an aggregate value of $310,008,326, which is $29,536,806 larger than the $280,472,015 exhibited for the first six months of 1943, resulting largely from the unabatedly mounting volume of war orders but also in some measure to steady amplification of trade sales, including much civilian business, which had manifested no signs of tapering off until slowed down in July by the handicaps enumerated above.

In the wholesale field, the showing is proving equally gratifying. Sales made by sixty wholesale paint and varnish companies for June are reported as having totaled $4,179,000, showing an increase of 5 percent over those for May and a gain of 15 percent over those for the corresponding month of last year while their stocks on hand at the close of June have revealed an amplification of 5 percent over those for May and of 10 percent over those for June, 1943.

Metallic Lead and Zinc

Recent settlement of the strike at Mexican lead mines and smelters, which had temporarily halted importations of the common grade of lead, has so lessened the drain upon the Defense Supplies Corporation's stockpile as to remove all likelihood of any new restrictions on civilian uses of this metal, even with a continuance of expanding operations in war munitions making, as domestic production is still running high. Makers of lead pigments are still covering their needs without hindrance of any kind. Prices for pig lead have remain unchanged for the week July 28-August 4 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Despite strenuous efforts on the part of the War Production Board and Metals Reserve Company to keep production of zinc slabs up to a high level by offering financial assistance in the form of subsidy payments to smelters treating Joplin, Mo. zinc concentrates, who may thus be enabled to keep abreast of the current mine production of concentrates from this Missouri or Tri-State area and thereby release much of the unduly large existing stockpile, the supply of zinc slabs available for civilian use is still so reduced by the heavy war requirements as to necessitate a continuance of the priority ratings requirements insofar as manufacturers of zinc pigments are concerned. Quotations for zinc slabs have been left unaltered for the week July 28-August 4 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

Alphapinene, ½c. per gal.
Casein, imported, ½c. per lb.
Rosin, gum, 1c. to 2c. per 100 lbs.
Turpentine, gum, ½c. per gal.

Prices Reduced

Rosin, gum, G to I, 3c.; WW and X, 6c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	**140.2**	**140. 2**	**140.2**

Pigments

Blue Lead.—A spirited buying movement continues to be noted on both military and civilian accounts. Market stable.

Litharge.—Still moving fairly freely and in sizable volume. Tone firm.

Zinc Oxide.—Prospects for material easing of the tight positions existing not only in lead-free oxides, still under complete allocation by WPB, but also in the leaded grades, continue to appear remote, despite the recent slight extension of permissible uses of the former. Supplies of both continue very limited, with the demand from most civilian users remaining largely unsatisfied. A Bureau of Mines report on operations in zinc oxide for May shows that stocks continued to climb in that month but, although producers' inventories of slab zinc then exhibited a rise, the gain on that score amounted to only a few tons, and whereas production of zinc oxide declined, shipments of both lead-free and leaded grades diminished, although shipments of slab zinc and zinc dust increased.

Fillers and Extenders

Barytes.—Though there is still a pronounced shortage of dryground material from Southern sources, offerings of wetground grades from Missouri continue adequate for current requirements. No action has yet been taken by OPA toward revising maximum prices of air-floated barytes and blanc fixe upward to an extent commensurate with the recent lifting of price ceilings for crude barite produced in Missouri. But an order covering this adjustment in these finished products is expected shortly.

China Clay.—A fair demand and moderately sizable movement of both domestic and imported grades are currently noted. WPB's Regional Redistribution Division is offering 7,000 pounds of English kaolin powder.

Mica.—Dryground, waterground and finely pulverized grades of scrap mica continue to move steadily into paint and varnish makers' plants, with prices well maintained.

Dry and Chemical Colors

Blues.—Navy grades of ultramarine blue, usually designated as CUX, 4186 and 8268, have been made subject to allocation control, as of August 1, by the action of WPB in amending schedule 37 to general allocation order M-300 so as to include these colors. Reason for this restriction on the non-military uses of these so-called Navy grades, according to WPB, lies in the increasing war requirements. As amended, however, the new provision of M-300 covering these grades of ultramarine blue affords a small order exemption from the use certification of 25 pounds per person per month.

Carbon Blacks. — Following closely upon notification to the paint trade that it is permitted to buy several types of channel black not included in the provisions of its recently issued allocation order, covering the distribution of channel blacks known as rubber grades and furnace types,

Paint, Varnish, Lacquer Sales: June

The value of paint, varnish, lacquer and fillers sold in June, 1944, as reported by 680 establishments to the Bureau of Census, was $58,894,326. Details of sales reported by these establishments, and comparable data for 1943, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1944—June	$58,894,326	$29,342,905	$23,545,592	$17,634,317	$5,911,275	$6,005,829
Totals, 6 mos..	$310,008,821	$149,550,400	$129,788,502	$96,612,411	$33,174,091	$30,672,579
1943—June	*55,481,676	27,532,269	22,749,986	17,240,737	5,509,249	5,199,421
Total, 6 mos..	$280,472,015	$135,211,606	$118,330,905	$87,758,922	$30,571,983	$26,929,504

For current prices see alphabetical listing beginning on page 9.

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without having to procure WPB authorizations, WPB has announced a further amendment to this order whereby it has removed an inequality in the restrictions on the use of printing ink embodied in order M-53 by revising the definition of news ink to permit the use of toners in ink for producing newspaper magazine supplements. Ordinary news printing inks, which are packed 14 pounds to the cubic foot, are not affected by the order, anyway.

Driers and Flatteners

With WPB's allocations of naphthenates for non-military end-uses continuing at such low levels as to force the paint and varnish makers into other fields to fill their needs in drying agents, these consumers are turning with even greater eagerness than hitherto to the tallates to satisfy their requirements. Hence, the market for these latter driers is growing extremely active and strong throughout the entire list. But only a light inquiry is noted for soyates.

Stearates still lead the flatteners and jellifiers in point of activity, with several of the producers reporting having booked orders that will take up their output well ahead. Laurates, on the other hand, continue moving only slowly and in small volume.

Naval Stores

Awaiting announcement of some form of conservation control by the War Production Board within the next few days, and more definite intimations as to the price levels at which the Office of Price Administration is planning to establish its so-called permanent ceilings at the close of this month, trading in the rosin market has been held in rather tight leash on the Savannah exchange within the past week, while considerable activity and strength has been manifested in the operations in gum turpentine. All offerings of the latter have been snapped up avidly by buyers, who have had no recourse to wood turpentine, the supply of which has been reduced to meager proportions, close to the vanishing point. In consequence, the market price of gum turpentine has continued on an upward course, registering gains of a quarter cent per gallon for two days, which carried it up from 78c. to 78½c., only to fall back to 78c. In rosins, however, it is noteworthy that, under a meager volume of buying, only a few price changes have been recorded, taking the form of slight advances in the grades from G through M, while the lower grades and higher grades have remained almost stationary. In the New York market only relatively small lots of turpentine and rosin have been bought at the price parities prevailing here.

Turpentine.—Buying operations have been fairly extensive on the Savannah exchange, and also outside that institution in other Southern marketplaces, and have brought about further daily uplifts. The purchasing movement, which is now attaining exceptionally large proportions, while the flow and gathering are at midsummer heights, has a tendency to keep stocks down to smaller levels than usual at this time of the year and to result in a dearth of offerings during the ensuing cold-weather months.

Savannah, Aug. 4.—Following is a record of the market for the week:—

	Bulk gallons— Cents.	*Sales.	Barrels— Receipts.	Shipments.	On hand.
Monday ..	78¼	3,400	160	35	28,956
Tuesday ..	78½	3,150	75	262	28,768
Wednesday.	78¼	4,300	106	19	28,885
Thursday..	78	2,050	19	...	28,874
Friday ...	78½	2,250	59	207	28,726

* Gallons.

Savannah, Aug. 4.—Following is a record for the week:—

	Price per unit— Low of range quoted Mon.	Tues.	Wed.	Thurs.	Fri.
B	$4.77	$4.77	$4.77	$4.77	$4.77
D	4.88	4.88	4.88	4.88	4.88
E	5.50	5.50	5.50	5.50	5.50
F	5.54	5.54	5.54	5.54	5.54
G	5.60	5.61	5.61	5.61	5.56
H	5.60	5.61	5.61	5.61	5.56
I	5.60	5.61	5.61	5.61	5.56
K	5.60	5.61	5.61	5.61	5.61
M	5.60	5.61	5.61	5.61	5.61
N	5.75	5.75	5.75	5.75	5.75
WG	5.90	5.90	5.90	5.90	5.90
WW	6.26	6.26	6.26	6.26	6.20
X	6.26	6.26	6.26	6.26	6.20
	Drums—				
Sales	194	42	262	28	136
Receipts ...	59	721	198	168	289
Shipments...	...	...	217	318	300
Stocks	15,785	16,506	16,487	16,337	16,326

Rosin.—Trading in gum rosin on the Savannah exchange has been subordinated this past week to speculation as to the exact nature of WPB's impending action on rosin conservation through the establishment of consumption and inventory quotas for consumers, and also as to the price levels at which OPA can be counted upon to fix its permanent ceilings. In the interval, the Gum Naval Stores Industry Advisory Committee, representing producers, processors and dealers in rosin, has been offering to these agencies their reactions and recommendations on both of these vital subjects.

Chicago, Aug. 4.—Turpentine is steady, and rather quiet, but the basic undertone is sufficiently strong to give the market generally a stable and healthy aspect. Ruling prices at the close of business this last week were: Five-drum lots, 90c. per gallon; five wood barrels, 95c.; single drums, 93c.; single barrels, 98c.

Chicago, Aug. 4.—Rosin continues to show strength, with scattered advancing tendencies in price. Buyers are evincing continued interest. Ruling prices at the close of business this last week in five-drum lots were: B grade, $6.52 per 100 pounds net; G grade, $7.36; M grade, $7.36; W. W. grade, $7.81.

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Lacquer Materials

Acetone.—With the constant mounting of the European invasion requirements, the supply situation in this material is becoming increasingly tight.

Butyl Alcohol.—Together with butyl acetate, this material is exhibiting unabated tension in its supply position, as the war needs are being expanded to the extent that WPB is feeling impelled to arrange for a further contraction of its August allocations for civilian coating uses while also contemplating the exclusion of even some of the less pressingly important of the military uses.

Dibutyl Phthalate.—War procurement agencies are still making heavy inroads on stocks of this material for smokeless powder making, with the result that supplies available for civilian uses are being steadily reduced. Prices are being firmly maintained at the levels fixed about the middle of last month.

Dimethyl Phthalate.—Stocks being held down to low ebb by increasing use of this material as an insect repellent.

Propyleneglycol.—WPB's New York Regional Redistribution Division is offering 3,670 pounds of the regular grade of this material from its idle or excess stocks.

Synthetic Resins

Gum Ester.—Buying interest in this material continues keen, with orders being promptly filled and prices well maintained.

WPB's New York Regional Redistribution Division is offering 1,800 pounds of Beckamine P-305, 1,200 pounds of of Beckamin P-305, 1,200 pounds of urea formaldehydte XRU 16681, 400 pounds of Hercose AP, low viscosity cellulose plastic, and 890 pounds of ester gum D.

A list of synthetic resins and quotations on same appears in this issue of OPD, beginning on page 32.

Varnish Gums

Asphaltum.—A fairly keen demand is still noted for manjak and for both gilsonite and petroleum base gums, with prices firmly held.

Copal.—The hitherto drab prospect for a greatly needed, even if only partial, replenishment of the greatly depleted local supplies of Congo copal has been brightened considerably within the past week by an announcement that the War Production Board has at long last induced the Combined Raw Materials Board, acting as the procurement agency of both the British Empire and the United States, to consent to the allotment to American importers of 3,000 tons of this natural resin for the last half of this year. Acting on this achievement, WPB has gone to work systematically to make the necessary allocations of this long-delayed allotment, if the shipping licenses are obtained, by suggesting that those entitled to a share in this 3,000-ton allotment immediately file their applications with it on form WPB-1041.

A compilation of shipments of varnish gums by dealers to consumers for the three months' period, April 1 to June 30, is appended in tabular form:—

	Pounds
Kauri	188,882
Congo Copal	1,928,699
Damar	1,435
East India	14,490
*Manila	1,565
Sundries	56,514
Total	2,191,594

*Pontianak shipments are included in Manila figures.

Shellac.—American importers and processors are busy endeavoring to meet the insistent demand for bleaching grades from domestic consumers and for export without being able to satisfy more than one-third of the requirements. For, despite the liberal attitude on the part of the government authorities in releasing lac from the stockpile of the Defense Supplies Corporation to the extent of 500,000 pounds a month, the quantity thus obtained for distribution among users in the country and in South America is wholly inadequate in size and, above all else, lacking in sufficient amounts of the bleaching grades although fairly replete with orange and other high-cost lac.

Glues and Binders

Casein.—With the immediate absorption of all new cargoes of imported casein, the local market has again become nearly bare of Argentine material. And, as domestic production has recently been waning steadily, offerings are at a rather low ebb again. In consequence there has been a slight stiffening of prices asked for Argentine casein within the past week, so that most handlers are now quoting 18½ cents per pound for acid precipitated, instead of 18 cents, as hitherto. Domestic material continues to sell in a small way at prices only slightly below the OPA ceilings.

Glues.—Satisfaction generally expressed by consumers of hide and acidulated bone glues over WPB's allocations for the third quarter, which, in some instances, have been enlarged upon urgent appeals where undue hardships would otherwise have resulted. And it is now understood in the production trade that, although the recently mooted elimination of allocations for the fourth quarter of this year has been abandoned by that government agency, a further notable easing of its allocations will be made for that concluding quarter. Meanwhile, domestic handlers of raw materials are making more liberal deliveries to the glue manufacturers and importations have been surprisingly improved, although it is now feared that shipments of gluestock from South America will gradually taper off from this time forward.

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Chemical Interests Vested by APC

Recently reported vestings of enemy property by the Alien Property Custodian include interests in or under United States patents of Aarhus Oliefabrick A.S., Bergwerkegesellschaft Hibernia A.G., Carbonisation et Charbons Actifs, Gasverarbeitungs G.m.b.H., Hansa-Muehle G.m.b.H., Hanseatische Muehlenwerke A.G., I. G. Farbenindustrie A. G., Oxyammon A. G., Polyphonwerke A. G., and Societe Generale des Minerais.

The patents involved in these vestings are as follows:—1,667,767 and 1,673,615 (purifying phosphatides); 1,750,551; 1,776,720 (purification of phosphatides); 1,779,012 (dressing leather); 1,859,863 (nitric acid); 1,864,099; 1,892,588 (vegetable lecithin); 1,893,393 (refining vegetable phosphatides); 1,895,424 (mixture of vegetable phosphatides and fatty oil); 1,903,397 (seperation of fatty constituents from oleaginous material); 1,917,734 (extracting oil from seeds); 1,927,286; 1,934,005 (water oil emulsion containing lecithin); 1,934,301; 1,938,864 (insecticidal emulsions); 1,946,332 (dressing, sizing, and softening oil); 1,986,360 (thickener for textile printing); 2,020,662 (phosphatide preparation); 2,039,739 (lecithin nutrient material); 2,052,326; 2,057,695 (vegetable phosphatide preparations); 2,062,263 (diacetyl); 2,098,089 (chlorobutadiene); 2,109,698; 2,110,699 (diacetyl); 2,158,290 (methylvinyl ketone); 2,188,340; 2,191,088 (polymerized products of acetylene); 2,267,829. Interferences 71,810 and 71,811 also have been vested.

Armstrong Cork Buys Acreage

Armstrong Cork Company, Lancaster, Pa., has purchased a tract of 40 acres near Kankakee, Ill., where it will erect a plant to fill mid-western demands for its products.

Oils, Fats, and Waxes

CCC was offering contracts covering the crushing of the soybean crop of the midwest to all processors of record of last year on a basis somewhat different from that of the 1943 program. Total processor margins were increased by one percent to provide a larger allowance than was specified in 1943 for outside costs and increases in prices above the support level. (For further details see news story in this issue.)

An open purchase offer designed to encourage the maximum domestic production of tung oil for military and civilian uses has been made by the War Food Administration. Terms are that the Commodity Credit Corporation will offer to buy any quantity of the 1944 production of tung oil at 36 cents a pound, f.o.b. producer's mill, from crushers who pay not less than $100 per ton for tung nuts, basis 19½ percent oil content. During the last two years the government bought outright the entire domestic production, but the recent removal of sales restrictions enables domestic producers to sell their tung oil direct to the trade this season.

The 1944 crop is expected to yield about 9,000,000 pounds of oil as compared with 2,000,000 pounds in 1943 and 5,500,000 pounds in 1942.

The Wheat Board of Canada has been authorized to purchase all of the 1944 crop of sunflower and rapeseed offered by domestic producers, according to the Department of Commerce. High grade sunflower seed will be paid for at a fixed price of five cents a pound delivered f.o.b. at designated shipping points. Six cents a pound will be paid for clean, dry rapeseed.

Vegetable Oils

Corn Oil.—Producers report an active call for crude oil, which continues to be greater than the supply. Refined oil was also in steady demand. Output was light and promptly absorbed.

Oiticica.—Trading slow. Stocks are light. Drums quoted at 20½c. to 21c. per pound on spot. Shipments named at 20c. per pound, in drums subject to delivery. Arrivals totaled 1,237 drums.

Peanut.—Chief of peanut section, oilseeds division of CCC, has been designated as the official to administer WFO 100, dealing with the purchase and sale of farmers' stock peanuts from the 1944 crop.

Soybean.—Sizable quantities moving into consumption on allocation. Sales in crude and refined spotty at ceilings.

The War Food Administration reported the purchase of 930,000 pounds of refined oil at 13.46c. per pound, in bulk, f.o.b. Pacific Coast, July 25.

Atlanta, Aug. 1.—Wherever the drought prevails the cotton boll weevil is held in check, but the drought is reducing the prospective yields. Outbreaks of both insects and diseases on peanuts are reported.

Los Angeles, Aug. 2.—Business in vegetable oils was routine. Buyers' interest was well maintained, but sales were restricted to amounts which receivers could qualify for and to what the market afforded in the way of supplies.

Flaxseed

Active trading noted in new crop seed for forward delivery for crushers account. Old crop for immediate delivery continued in good demand.

Minneapolis, Aug. 2.—The feature of the week in the flaxseed market was the sudden splurge in crusher buying of new crop offerings to arrive. A large cash interest started to buy these offerings on the basis of ceiling price at time of shipment or delivery, at the pleasure of the shipper. Crushers objected to this haphazard method of buying but finally dropped in line and bought about 1,850 cars in one day. The following day close to 1,000 cars were taken but in the past few days offerings have dwindled sharply.

Old crop flax offerings held up better than expected and daily offerings were in excellent demand at ceiling prices. Harvest of the new crop is under way and some new stuff is expected on the market next week. The trade looks for a wide variety in quality but mostly expects good flax because the big acreage was to the north of here and growing conditions where most of the flax was planted held good through the season.

Crop movement in bushers follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This week	167,000	238,500	37,500	37,500
Since Sept. 1	21,937,000	16,954,500	3,241,500	1,805,500

The week's closing flaxseed price range was as follows:—

	Cash	Sept.
Saturday	$3.05	$3.05
Monday	3.05	3.05
Tuesday	3.05	3.05
Wednesday	3.05	3.05
Thursday	3.05	3.05
Friday	3.05	3.05

Buenos Aires, Aug. 4.—Flaxseed shipments during the week were 398,000 bushels to the United Kingdom. Continent, 83,000 bushels, and other destinations 83,000 bushels. Visible supply was estimated at 8,268,000 bushels. Flaxseed for export offerings resumed and quoted at $2.26½ per bushel, U. S. funds; Rosario, $1.81⅛ per bushel.

Hull, July 28.—Bombay, August, £33; Calcutta (no quotations); La Plata, August, £22½ per ton.

Linseed Meal

Steady demand continued for prompt and nearby delivery. Offerings of new crop meal still light.

Minneapolis, Aug. 2.—Crushers are busy filling their old and maturing contracts so have only occasional offers to make for nearby shipment. Purchases of liberal quantities of new crop flax to arrive gives fair assurance that old meal contracts will be cleaned up by Sept. 1, or sooner.

In the meantime crushers are not at all anxious to sell new crop meal for any shipment. Buyers are more or less anxious to trade while crushers want to wait on a ceiling announcement for the new season.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	9,840,000	7,920,000
Since Sept. 1	525,734,700	485,200,000

Linseed Oil

Little of new interest developed in linseed oil during the week. While new business was quiet, the market was featured by a firm tone. Prices were unchanged at ceilings. Raw oil was quoted at 14.7c. per pound, in tankcars and tankwagons. Users continued to absorb good-sized quantities on previous contracts.

Arrivals of linseed oil totaling 90,210 pounds were noted.

Offerings of flaxseed for shipment to the United States from the Argentine were resumed by the Grain Board in units to be limited to 10,000 tons. Shipments were quoted in U. S. funds at $2.26½ per bushel in bags.

In view of the reduced prospective flaxseed crops in the United States and Canada, combined with unfavorable trade conditions existing with the Argentine, oil crushers are becoming somewhat apprehensive concerning the securing of flaxseed for future crushing operations, with the result that it is possible that an actual oil shortage may develop along the Atlantic seaboard in the next few months.

Minneapolis, Aug. 2.—The momentary feature of the oil market is the scarcity of tankcars. Heavy shipments on government lease-lend orders were made to the west coast and there is no telling when these tanks will be returned, all depending on boat connections. In the meantime the crushers are fighting for all the equipment that is available and expect difficulties in supplying their civilian customers with oil during the near future.

Some fill-in orders for fairly close shipment were booked and there was a little new crop business due to rumors that the ceiling price on flax would be raised.

Shipping instructions continue in fair volume and with flax supplies assured up to the middle of August crushers returned to a full capacity basis in their operations. Prices quoted at ceilings.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	11,220,000	7,160,000
Since Sept. 1	335,268,000	143,910,000

For current prices see alphabetical listing beginning on page 9.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
192.7	192.7	195.1	195.4

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Cottonseed Oil

Refined oil moving in good volume into consumption on allocation. Interest at present is centered in new cotton, peanut and soybean crops. Advices from the cotton belt reported crop improving under recent heavy rains in the Southeast. Private estimates place the cotton crop at approximately 10,000,000 bales. Condition was estimated at 71.2 percent of normal and the indicated yield per acre at 235 pounds.

Reports from the South state that some scattered sales of new-crop crude oil were transacted, but most refiners prefer to await the new season CCC contract for refined oil, which is expected to be announced within the next week.

Advices from Washington state that the government, faced with a possible shortage of pork next year, may have to alter price policies affecting hogs so as to reverse a sharp downward trend in the hog production. Designated weights of hogs now carry a support price of $13.75 per 100 pounds, basis Chicago, which price is due to be reduced to $12.50 on October 1.

Lard stocks in Chicago on July 31 totaled 63,116,928 pounds, against 71,558,111 pounds on July 15 and 51,026,144 pounds on July 31, last year.

The War Food Administration announced the purchase of 9,650,000 pounds of lard, with lecithin added, on July 12, and 9,959,400 pounds July 18.

Memphis, Aug. 4.—Cotton crop improved due to recent rains throughout this section. Crop estimated at 10,000,000 bales. New CCC oil mill contract recently submitted acceptable to crushers. Some scattered sales of new crude cottonseed oil made. Refiners generally not interested until new CCC refiners' contract received. Expect to be offered within the next two weeks. Cottonseed cake and meal in demand. New-crop cottonseed crush expected to start late August or early September. Cotton crop late.

Prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
September	....	....	14.31 nom.
October	....	....	14.25 nom.
December	....	....	14.00 nom.
March, 1945	13.75	13.75	13.60-13.75
May	....	....	13.55-13.75

Total sales, 1.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12c. (all ceiling prices).

Fatty Acids

Moderate buying was noted for most grades. Stocks were not liberal. Prices unchanged and firm at ceilings.

Chicago, Aug. 3.—The fatty acids market is in firm tone, with volume of business moderate.

Cake and Meal

Linseed meal continued in good call for immediate delivery. Cottonseed cake and meal were also in active requests with offerings scanty. Arrivals of 6,000 bags of sunflower seed oil meal were noted.

Los Angeles, Aug. 2.—Soybean meal demand continued active this week. Trading in cottonseed meal remained practically at a standstill. Copra meal was in active demand, although supplies were extremely light. Fish meal market was somewhat more active for the first time in weeks, reflecting larger offerings from the new crop with prices firm and unchanged.

Fats and Greases

Grease.—In the absence of substantial offerings of most grades, business was restricted during the week. The tone of the market was firmer, with prices unchanged at ceilings.

Tallow.—An active demand was unsatisfied during the week. Producers have reduced offerings, which were lighter than for some time. Prices were unchanged at ceilings. Reports from the South indicate that large lots of tallow totaling millions of pounds have been arriving for delivery to soapmakers.

Fish Oils

Menhaden.—Trading in refined oil was limited to small quantities. The market was steadier than of late with sellers not inclined to shade quotations.

Sardine.—The Pacific pilchard fishery entered its 1944-45 season August 1 in northern California, according to the Office of the Coordinator of Fisheries. The pilchard fishery, which furnishes nearly a fourth of the total yield in the United States and Alaska, provides more than 1,000,000 gallons of oil and 12,000 to 15,000 tons of meal for animal feeds.

Baltimore, Aug. 3.—For the third week menhaden fishing has proved to be poor and the fish lean, yielding little oil. The smallness of the hauls of fish appears to apply all along the coast up to Lewes and New Jersey. Moreover, offers of oil for sale have brought little or no response. Trading lags both at the ceiling of 8.9c. per pound for crude supplies and at the concession to 8.25c. per pound made in connection with the purchases made weeks ago.

Los Angeles, Aug. 2.—Crude sardine oil reported as moving in the North at the ceiling of 66.75c. per gallon in tankcars. British Columbia reports pilchard landings at 1,153 tons this year to July 22, and 38,442 imperial gallons for oil. Fishing for pilchards was resumed August 1 in northern California ports.

Waxes

Activity in the wax market occasioned by the arrival of some 10,000 bags of carnauba, subsided following the delivery of the bulk of this wax against former contracts.

The market during the past week was dull. Interest in carnauba for forward shipment was inactive. Offerings from Brazil were mainly for January-February shipment. Trading in candelilla wax was slow and the spot situation continued easy under liberal stocks here. Demand for ouricury has slackened following the placing of recent contracts for liberal quantities for prompt and nearby shipment. Business in beeswax continued inactive. Imports of ouricury amounted to 885 bags.

Dawson Cotton Oil Names Jones General Manager

E. J. Jones has been named general manager of Dawson Cotton Oil Company, Dawson, Ga. He was formerly office manager of the company and succeeds R. S. Oliver who has joined the War Food Administration.

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Fiber Container Order Revised

OPD Washington Bureau

Relative essentiality of consumer products and industrial goods, in relation to the procurement of new fiber shipping containers, is more explicitly defined by amendment of fiber shipping container rating order, P-146, the War Production Board has announced.

"Lower priority ratings are assigned to shipping containers for less essential goods," the WPB Paperboard Division stated, "but definition of essentiality has been liberal. Changes brought about by the amended order are expected to clarify the shipping container rating status of all items, and thus facilitate the over-all movement of needed goods."

Standard Brands Offers Dextrose-Maltose Product

Standard Brands, Inc., New York, has announced a new product of interest to the food and pharmaceutical manufacturers. The product, marketed under the name of 'Stanofill,' is said to be a mixture of soluble dextrins and maltrose. The company suggests the following uses:—(1) To replace lactose in certain products used for infant feeding, particularly where a carbohydrate with ease of digestibility and assimilation is desired; (2) To increase solids contents in elixirs and tonics without imparting objectionable sweetness; (3) As a filler for certain pharmaceutical products, such as tablets and capsules.

Chile Forms Oils Ass'n

An association of oilseed producers has been formed in Chile. The principal objective is to organize the sale of these products, to assure payment for them in accordance with the percentage of oil rendered by the different varieties of seeds, and to assure a certain relation between the prices paid for imported seeds and those paid for domestic seeds within the ceiling prices fixed for edible oils manufactured locally, according to the Department of Commerce.

Animal Wax Tariff

—Continued from page 5

I.R.C. section 2491(c), following the principle of C.A.D. 83. The later provision provides for a tax on merchandise, with certain exceptions, 10 percent or more of the weight of which is derived from one or more of the products specified in I.R.C. section 2491(a).

Under the circmstances, the bureau said, merchandise such as or similar to the animal wax dealt with in the Beiersdorf case shall be passed free of duty under paragraph 1796 of the tariff act, but shall be assessed with a tax under I.R.C. section 2491(c).

H.J. Kaiser to Produce Gypsum Products

Henry J. Kaiser, of the Henry J. Kaiser Company, and Sam A. Perkins, president of the Standard Gypsum Company, have formed a partnership for the production of gypsum products to be used in house construction.

The Henry J. Kaiser Company will manage the gypsum firm, which has vast western deposits from the Gulf of California to Alaska.

OPA Fats, Oils Products Post for Brockenbrough

OPD Washington Bureau

Appointment of Eugene W. Brockenbrough, Charlotte, N. C., as chief of the Fats, Oils and Dairy Products Branch of the Office of Price Administration's Food Rationing Division, has been announced by Ivan Burdick, director of the division. Mr. Brockenbrough, who formerly was assistant chief of the branch, succeeds Irving C. Reynolds. Mr. Reynolds has joined the Office of the Quartermaster General as special adviser to the office in charge of Chicago field headquarters, Perishables Branch of the Subsistence Division.

McEwan Honored By Oil Trades Associates

James McEwan was the guest of honor at a dinner held in the Hotel Abbey, New York, August 1. The event marked his fiftieth anniversary in the oil industry, which he has spent uninterruptedly with the Swan Finch Oil Corporation. There was a general get-together at 6 p.m. and dinner was served at 7 p.m. Clarence N. Davison, of the Standard Oil Company of New Jersey, was the chairman of the committee on arrangements. He was assisted by Alfred R. Lange of United Industrial Products, Inc., of New Jersey, Elizabeth, N. J., and Jesse A. Jones, of the Gulf Oil Company, New York.

N.Y. Paint Production Gets Cleveland Symposium Reprints

The technical committee of the New York Paint and Varnish Production Club have had reprints made of their papers presented at the Cleveland technical symposium entitled "Fire Retardant Paints for Steel Surfaces" and "Critical Survey of Methods for Measuring the Dry Hiding Power of Paint," and are offering these reprints at 25 cents per copy. Requests for papers should be to Carl L. Englehardt, secretary of the club, 35 Nostrand avenue, Brooklyn.

Soybean 1944 Crushing

—Continued from page 5

agreed-upon freight savings or loss adjustment which will become a part of the Base Chemical Grade Price to be paid by the processor in repurchasing soybeans from CCC.

4. The processor will not be required to pay CCC an adjustment for soybeans used to produce soybean oil meal for use in the manufacture of adhesives.

5. Section 10(b) of the contract has been clarified to provide that in case of a change in the ceiling price for oil or meal, an adjustment is to be made with respect to the quantity of oil and meal, as such or in the form of unprocessed soybeans, on hand at the time of such change regardless of existing contracts.

6. Any meal or cracked cake offered to CCC under the terms of the contract must be offered in car-load lots.

The agency said that every processor of 1944-crop soybeans will be required to make his own arrangements for the acquisition of all soybeans which he expects to process during the year. The CCC, however, will, insofar as practicable, limit its purchases of soybeans to cases where adequate markets are not otherwise being provided.

A separate contract will be prepared covering soybeans produced in the cotton States for processors who desire to purchase such soybeans.

Plastic Coating Company is the firm name under which Grant De Haas has published an intention to conduct business at 111 East Thirty-first street, Los Angeles, Calif.

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ALSO
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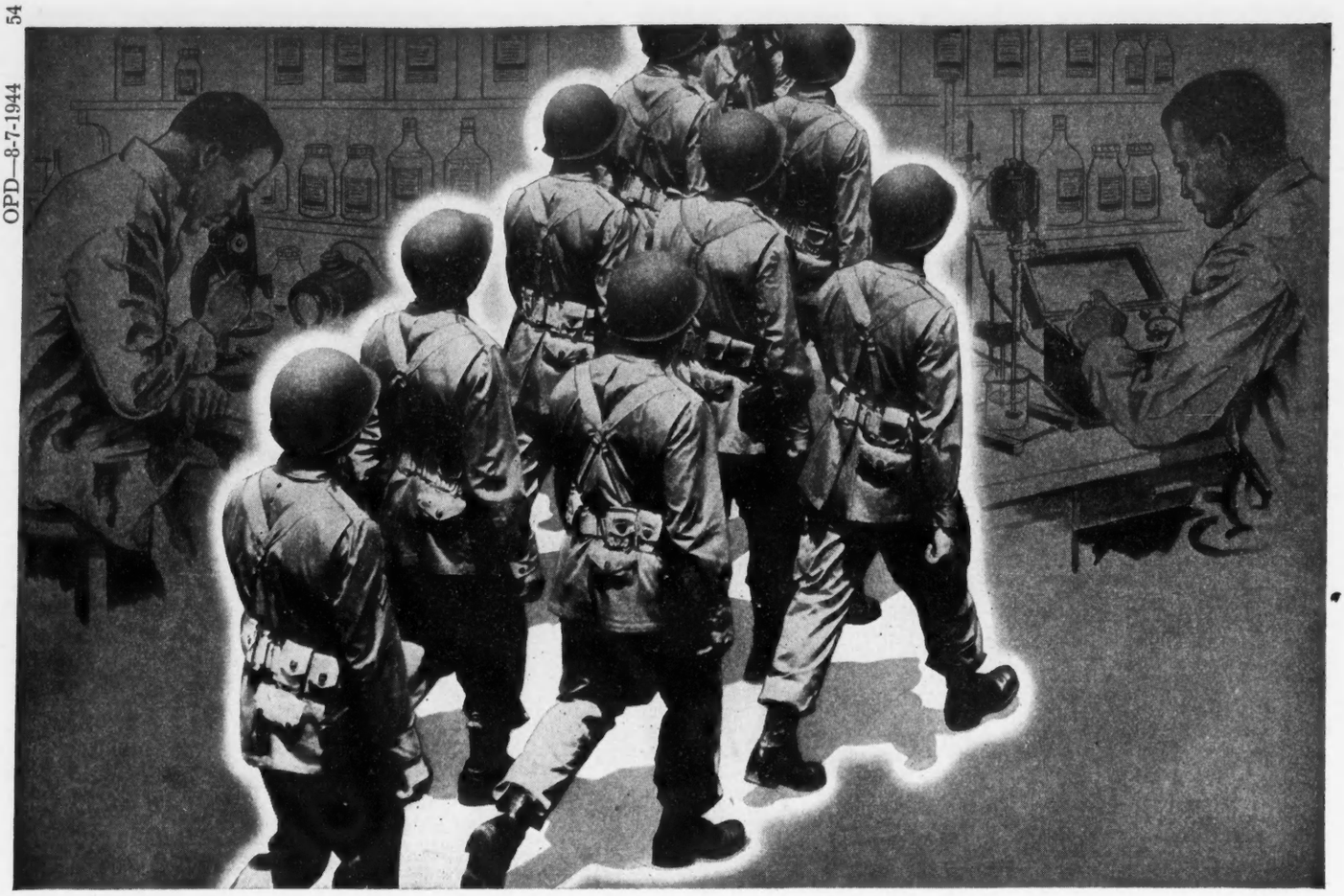
OPD—8-7-1944 54



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Drugs and Fine Chemicals

The reduction in synthetic methanol prices, announced some weeks back to be effective August 1, but which actually became effective July 24, was the leading feature in the drug and fine chemical market last week. The reductions differed in extent according to each of four zones, ranging from 2c. to 4c. per gallon. Just why the effective date of August 1 was shifted back to July 24 could not be learned last week but the fact that two bases for quoting tankcar and carlot drums had been under consideration may have had something to do with it.

Quicksilver appeared to be assuming a substantially firmer position. Although unchanged in price, less metal seemed to be in the hands of producers and distributors, and sellers were disposed to be more reserved. The improved situation appeared to overlook a government stockpile of about 100,000 flasks. Mercurials were on the steady side with demand running to levels close to normal for most products.

Glycerin has become an interesting item since the supply has risen to slightly in excess of current consumption and notwithstanding the fact that consumption is likely to rise during the last half of this year. The interest centers in the further fact that glycerin in hand is considered good property, in the opinion of some refiners. The present trend is to increase inventories that are expected to play an important part in the postwar era.

The position of most vitamin bearing oils was one of strength based on not too ample stocks and an excellent demand. Menthol stocks on the open market were almost nil and the fact that more high cost menthol is due to be imported does not forecast relief from shortage; most of it even now owned by consumers. Two prices prevailed on penicillin. One governed purchase by hospitals and institutions. The other, and lowest, was for government agencies.

War Food Administration consumption sales totalling 161,920 pounds of citric acid derived from lend-lease stocks attracted some attention. The sales involved eight lots at prices fractionally higher than the producers' schedule. Tartaric acid continued relatively scarce even at high prices.

Offerings of acetaldehyde and furfuryl alcohol listed in the market reports that follow were made by the Regional Board Division of the War Production Board, Empire State Building, New York, and sales will be made in accordance with WPB regulations governing excess and idle inventories.

Acetaldehyde.—WPB Regional Redistribution Board has offered 8,000 pounds for sale from surplus inventories.

Acid, Ascorbic.—WFA bought 12,000 kilos at $24.50 per kilo for lend-lease purposes on July 15.

Acid, Citric.—War Food Administration is selling surplus stocks of acid which had been bought for lend-lease account but which had not been exported. Meanwhile, storage charges raised the cost, said raise being added to the first cost, making the WFA sales price 21.526c. per pound in eight transactions which involved a total of 161,920 pounds. The sales were made only to manufacturing consumers for their direct, individual use. Quantities involved in the eight lots were, respectively, were 10,120 pounds, 10,780 pounds, 11,000 pounds, 14,740 pounds, 22,000 pounds, 24,200 pounds, 25,080 pounds, and 44,000 pounds. The producers' car lot price is 20c. per pound; the 10,000 pound, one shipment, price is 20½c.

Acid, Salicylic.—Supply was not overly plentiful so far as U.S.P. acid was concerned and the delivery position was inferior to the requirements of manufacturing consumers. Sellers showed reserve.

Butyl Acetate.—Strong. Available stocks were considerably less than the total requirements of all consumers and in the emergency, WPB is cutting deliveries to the bone. Only essential requirements with high priority can get anything. The eight corn-growing states report a dangerous lack of rain which, unless countered soon, may affect adversely the raw material prospect of corn refiners and processors.

Butyl Alcohol.—The position of this solvent is identical with that in butyl acetate and the supply situation amounts to a crisis.

Calcium Mandalate.—Movement reported to be very good with deliveries on a fairly satisfactory basis. Prices show stability and are subject to very firm undertones.

Castor Oil.—Consumption runs to excellent totals and takes current production about as available. Arrivals of raw material total 14,228,850 pounds by the latest figures available. The total arrival since January 1 is now 163,460,490 pounds, which compares with 174,186,400 pounds for the corresponding period a year ago.

Chicago, Aug. 2.—Orders for castor oil are in good volume. The tone of the market holds firm, and there is no disposition toward weakness. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¼c.; drums, less than car lots, 15c.; tanks, 13½c.

Creosote Carbonate.—Signs of preparation against the enlarged requirements due within a few months have been noted. No surplus of supply seems likely.

Ethyl Acetate. — Most production is earmarked for consumption promptly and close allocation by WPB is expected to keep use for civilian products little changed from the recently conservative records.

Fishliver Oils. — WFA on July 17 purchased 18,450 pounds of vitamin A shark and dogfish liver oil at 30c. per million units. The outlook indicates a large requirement of fishliver oils and the supply situation is not very satisfactory.

San Francisco, August 2.—Ample demand continues to exist for all potencies of fish liver oils at ceiling prices and the market is as active as supplies permit. Production here is along fair lines only, with the need for more livers in great evidence. Seattle reports the arrival of 14,000 pounds of soupfin shark carcasses for the week ending July 27.

Furfuryl Alcohol. — WPB Regional Redistribution Board has offered 20,000 pounds for sale out of surplus inventories.

Glycerin.—Sales of crude are going through mainly at ceiling price levels but non-refiners show marked disposition to avoid accumulation of supplies and, hence, press their recoveries steadily for prompt disposal. Refiners are laying postwar plans now and the program is to be adjusted to the belief that many parts of the world will be eager buyers since for years they have had practically no material. The fact is that the present trend is to build up inventories against the postwar period and glycerin in hand is counted excellent property at this time. Arrival of 232 drums was reported.

Chicago, Aug. 2.—Business in glycerin remains comparatively good, with the buying trade in various lines continuing to display considerable interest. Prices for both chemically pure and high gravity are: Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Menthol.—Reports suggest that there are still substantial quantities of foreign material due to come to this country at prices above the present purchase ceiling of $15 per pound, duty paid, f.o.b. U. S., ports but the transportation of menthol due this

Market Trends

Prices Advanced

None

Prices Reduced

Methanol, synthetic, Zone 1, 4c. per gal.
Zone 2, 3c. per gal.
Zone 3, 2c. per gal.
Zone 4, 2½c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
239.5	239.5	239.2	241.0

For Current prices see alphabetical listing beginning on page 9.

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# of Distilled Vitamin A

THOUGH we are unable to talk optimistically about the *quantity* of Vitamin A available under allocation, we believe that present circumstances make the subject of *quality* unusually important.

If you are allocated a supply of DPI's Distilled Vitamin A Concentrates, you will be glad to know that the Vitamin A Allocation Order M373 has had no effect whatever on the high quality and unique character of these products.

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The unusually high stability of our concentrates is another example of practical conservation. It is also insurance that the consumer gets his money's worth of this valuable vitamin.

And DPI Concentrates continue to be noted for their blandness—an advantage which is welcome in its own right.

Come further allocation or free market you can bank on this fact: DPI Distilled Vitamin A Esters* will continue to be known for their superb and unmatched quality.

*Protected by U.S. product patent No. 2,205,925 and more than 50 process patents.

DP INC

Distillation Products, Inc.
755 Ridge Road West, Rochester 13, New York
"Oil-Soluble-Vitamin Headquarters"

country is a tough problem—as is all South American products. There is mighty little spot material available at any price since most of the recent arrivals have been owned in consuming quarters long before the goods reached this country.

Methanol.—The new and lower price schedule on synthetic methanol has been put into effect. In zone 1, which includes this area, the tank price is now 24c. per gallon; drums, car lots, 31c.; less car lots, 36c. It was a 4c. per gallon reduction in this zone. In zone 2, the tankcar price drop was 3c. per gallon; zone 3, 2c. per gallon; and zone 4, 2½c. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco. All prices are at the works with rail freight allowed to destination. Although one producer had previously quoted a new schedule effective August 1, the latest announcement from the same quarter, says that the new schedule became effective July 24. The schedule effective August 1 in tanks had been 23c. per gallon, works, freight equalized with Niagara Falls, N. Y., Peoria, Ill., and South Charleston, W. Va. The schedule effective July 24 was 24c. in tanks, works, freight allowed to destination. No explanation for the change in the original plans was made. The leading producers' schedules on synthetic are identical.

Milk Powder.—Purchases made by WFA in the period July 1 through July 6 totaled 1,054,000 pounds of spray process skimmed milk powder; roller process, 958,500 pounds; whole milk powder, spray process, 120,000 pounds.

Methylethyl Ketone.—Needs run to substantial proportions and stocks hardly keep the needy supplied. The market had sturdy strength and competition was conspicuously absent.

Nicotinamide.—Has not appeared lately in substantial lend-lease transactions but the producers indicate that the movement shows excellent volume.

Penicillin.—Hospitals and institution purchases pay prices that range $3.20 to $4.50 per 100,000 units. Only government agencies get deliveries at $1.90 per 100,000 units. The latter price is said to be virtually the cost of production.

Potash Bromide.—Production was reported well engaged, leaving but moderate stocks to fill other than contract orders. The price position was reported to be very firm but, also, entirely stable.

Potash Carbonate.—The U.S.P. quality moved in normal volume, total sales varying little from week to week. Undertones were reported to be firm.

Quicksilver.—There seems to be a tightness of supply that may be only partial but which suggests that, outside of the government stockpile of some 100,000 flasks, there is not too much metal in store at the mines or in the hands of distributors. There is a general firmness to prices and market approach of sellers.

San Francisco, Aug. 2.—Buying interest seems to increase with the knowledge that there is not the surplus of metal available as earlier this year. Sales reported here from $100 to $105 per flask, f.o.b. San Francisco.

Owens-Illinois Can Names Sales Personnel

George E. Kummerow has been made sales manager of the paint and varnish division of the Owens-Illinois

G. E. Kummerow H. P. Thelen

Can Company, and Harvey P. Thelen sales manager of the firm's new steel container division. Mr. Kummerow, previously manager of the firm's Chicago branch sales office, will continue to have his headquarters in Chicago for the time being.

Trade Briefs

Magnesium salts production in California totaled 9,030 net tons.

Owens-Illinois Can Company's McKees Rocks, Pa., plant, has been awarded the Army-Navy 'E' Production Award.

Charles B. Roeder has been appointed traffic manager of American Home Foods, Inc., the food division subsidiary of American Home Products Corporation, New York.

Service Wholesale Drug Corporation, Newburg, N. Y. has been incorporated, with a capital of $50,000 in $100 shares. Subscribers are M. Yanko, Charles R. Soll and F. Soll.

Philip E. Jones has been named advertising manager of the National Drug Company, Philadelphia. He was formerly with Sharp & Dohme, pharmaceutical manufacturers, Philadelphia.

Dr. Sophie D. Aberle, superintendent of the United Pueblos Indian Agency, Albuquerque, N. M., has resigned to devote her time to malaria-control research for the National Research Council.

Continental Can Names Weinland Export Manager

Richard D. Weinland has been appointed manager of exports for the Continental Overseas Corporation, a subsidiary of Continental Can Company.

McK&R Shifts Abercrombie

J. H. Abercrombie, of the Atlanta, Ga., division of McKesson & Robbins, Inc., is being transferred to the company's manufacturing laboratories in Bridgeport, Conn., effective Sept. 1. He will be in charge of vitamin promotion under the direction of W. E. Dewell, vice-president in charge of manufacturing.

Winthrop Names Kolb Special Markets Div. Head

P. Val. Kolb has been appointed director of the special markets division of the Winthrop Chemical Company, New York. Since 1940, Mr. Kolb has been associate director of Winthrop's Special Markets Division in charge of vitamin sales.

Drug Store Improvement Program Launched by DRB

Detailed plans to aid retail druggists in streamlining and modernizing their stores are being developed by a committee of the Druggists Research Bureau, according to Dr. E. L. Newcomb, executive vice-president of the National Wholesale Druggists Association, who is secretary of the committee. Data will be made available to every druggist in the country on floor plans incorporating the latest ideas in merchandising, designs for various departments, and information on new developments in equipment.

The committee includes representatives of the National Association of Retail Druggists, the National Wholesale Druggists Association, the American Association of Colleges of Pharmacy, the Federal Wholesale Druggists Association, and the National Association of Chain Drug Stores.

R. T. Muench has been appointed manager of the X-ray products department of the Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa.

Search for the Elixir of Life

AN ELIXIR of sulfur and mercury, taken twice monthly is said to have prolonged the life of the medieval Jainas priests in Southern India to some 150 or 200 years. However, when the Persian Ruler Ilkhan Arghun tried the same recipe, he died within eight months.

This strange Indian custom originated in the Mediterranean area. Greek and Arabian alchemists thought that sulfur and mercury were the basic substances of all metals. Metals gave strength and vigor which prolonged life.

Sulfur and mercury continued to play an important role in chemistry and medicine throughout the Middle Ages and Renaissance as well as in modern times. Mercury salts such as calomel have been widely-used remedies since the 16th century. Similarly, sulfuric acid was known to the alchemists, but not until John Roebuck, in the latter part of the 18th century, devised a method of manufacturing it in lead vessels, was the door opened for the vast industrial use of sulfuric acid, sulfates and sulfites.

For 77 years the MALLINCKRODT CHEMICAL WORKS have been pioneers in the manufacture of such sulphur compounds as Ammonium, Calcium, Potassium and Sodium Sulfites; Metabisulfites; and Bisulfites. And over 40 Mercury salts including Calomel, Corrosive Sublimate, Cyanide, Iodide, and Oxides. The MALLINCKRODT trademark is your assurance of receiving chemicals that meet your most exacting requirements.

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Pan-American Drug

—Continued from page 3

study of the problems affecting foods and drugs in America and were unanimous in declaring that they were a serious potential menace to the health of the people, the CIAA said. The matter originally was submitted for the consideration of delegates by Dr. Thomas Parran, Surgeon General of the United States, it was added.

Among the objectives at which health commissioners and directors of the various American republics are aiming, the CIAA said, is uniform quality standards in the manufacture of drugs and the elimination of false or misleading claims in advertising and on labels. They hope to make the question of pure foods and drugs one of the chief items on the agenda of the forthcoming meeting in Caracas.

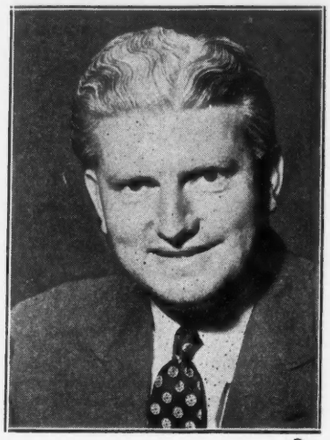
Several delegates who attended the conference here last April placed themselves on record as favoring more rigid controls on the shipment of drugs from one American country to another; one of the controls proposed being to prohibit the exportation of drugs from a country in which their sale is illegal.

C.T. Thompson Made Chairman of Board

Charles T. Thompson has been elected chairman of the board of the Thompson-Hayward Chemical Company, Kansas City, Mo., and George W. Hayward has been made president.

The Thompson-Hayward Chemical company, distributor of industrial and agricultural chemicals through fifteen warehouses and sales offices in as many cities, was formed in 1917.

Joins Warner Co.



Ralph W. Henderson, formerly vice-president of Frederick Stearns & Co., pharmaceutical manufacturer, Detroit, has been appointed vice-president of William R. Warner & Co., pharmaceutical manufacturer, New York, in charge of plant operations development. Mr. Henderson directed domestic and foreign plant operations of Frederick Stearns & Co. for several years, prior to which he had served as factory manager in Detroit and as plant manager at the Windsor, Ontario, branch.

Chemical, Drug Surpluses

—Continued from page 3

All surplus real property of the army, navy, maritime commission, or Reconstruction Finance Corporation or one of its subsidiaries is assigned to RFC for disposal. Originally the regulation assigned only industrial real property to RFC. Except for specialized types of real property, such as housing and maritime property, surplus real property of all other agencies is assigned to the Federal Works Agency, and will be disposed of through the Public Buildings Administration.

"Housing property," as previously assigned to the National Housing Agency, is redefined in several respects, the most important of which is the centralization in NHA of the disposal of housing property owned by the army or the navy, as well as that financed through NHA itself.

Searle Buys Acreage For Plant Expansion

G. D. Searle & Co., manufacturer of pharmaceuticals, Chicago, has just completed the purchase of a 5½-acre tract in Skokie, Ill., adjoining its present property on which are located the Searle research and manufacturing laboratories. This purchase approximately doubles the amount of land owned by the company. The property was purchased for future expansion purposes.

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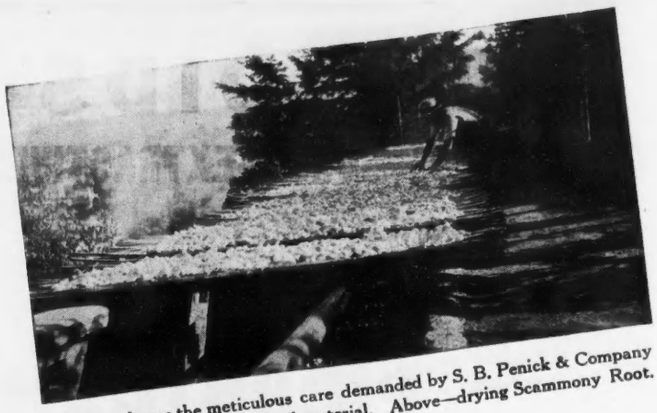

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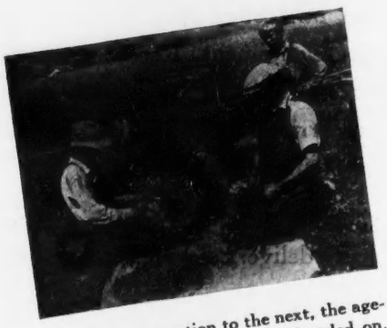

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Botanical Drugs, Spices, Gums

Midsummer conditions prevailed in the market for botanical drugs last week, which was another way of saying that demand for spot goods was light and reached the spot sporadically and only as immediate need forced the consumer into the market for prompt deliveries.

In contrast with the absence of much spot demand was the presence of fair sized trading in goods to be delivered in the future, if and when they may become available. Some consumers have gone along with dealers in a program which makes the sales price on goods for later delivery one likely to include a return to collectors sufficiently high to interest them in collecting the items so to be purchased. In fact, manufacturing consumers who do not act now on goods required later on, said action to take the form of firm orders to buy now, stand an excellent chance of going without stocks during the next consuming season.

Local botanical drug dealers have vivid recollections of the headache large stocks of high cost merchandise can cause once the element of war is removed as a price support; they learned of that after World War No. 1. Therefore, the general intention of dealers at this time is to avoid large stocks even though by some miracle such stocks might be obtained. Their tendency is to buy high priced goods heavily only on definite commissions by manufacturing consumers. They seek to avoid stocking solely on the chance that consumers may want stocks in some indefinite future.

If consumers want to be assured of their requirements, they should come to an agreement with their dealer as to the prices to be paid and authorize the dealer to purchase for their account. The consumer, not the dealer, must carry his own stocks in this crisis and every known condition appertaining to the acquisition of stocks works to that end.

Balsams

Peru.—Reported to be very steady locally, but subject to rather limited demand from consumers at the present time.

Tolu.—Steady to firm in all respects. Sellers not disposed to shade prevailing prices, indicating local values as in line with costs.

Barks

Black Haw.—The future position of black root bark is dark, indeed. Collection activity has been insufficient to assure but a part of probable consuming requirements during the next season.

Elm.—The collection of select bark sold in bundles has been so poor that most dealers have stopped quoting the article. Others hold their limited supply for regular customers only. And the spot market is nominal in the neighborhood of 40c. per pound, if and when obtainable, which is seldom.

Orange Peel.—Bitter peel from Haiti was priced lower at 11c. to 11½c. per pound, and no firm offerings of sweet peel were noted in quarters recently able to offer that article.

Beans

Vanilla.—The market had a rugged appearance in which the absence of offerings normal in size and at firm and attractive prices was the rule with a very few exceptions. While the supply situation in whole Mexican beans is likely to improve, the price position is not likely to move further in favor of buyers. Bourbon beans were hard to come by and undertones were exceptionally firm. Dealers and consumers alike were awaiting the arrival of Bourbon beans bought months back and cleared from the primary market some time ago via a route certain to make for a very slow passage to this country.

Berries

Juniper.—The market situation is reported to be very tight, with available stocks definitely moderate as to quantity and held at prices as definitely strong, as stocks are small.

Saw Palmetto.—Appears occasionally in spot transaction put through at full prices in a firm market. Replacement cost tends to maintain spot quotations.

Market Trends

Prices Advanced

Drugs

Elm bark, select, 12c. per lb.

Other Articles

Celery, India, ¼c. per lb.

Prices Reduced

Drugs

Fenugreek, domestic, ½c. per lb.
Orange peel, Haitian, bitter, 1½c. per lb.

Other Articles

Allspice, Mexican, Laredo, Tex., ½c. per lb.
Anise, Mexican, recleaned, ½c. per lb.
Marjoram, Chilean, ½c. per lb.
Paprika, Chilean, good, ½c. per lb.
Portuguese, choice, ½c. per lb.
extra fancy, ½c. per lb.
Spanish, fancy, 2c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
252.2	251.3	245.1	259.3

Flowers

Arnica.—Rather quiet at the moment, and no stocks in a quantity sufficient to cause any worriment over the lack of larger demand current at the present time.

Chamomile.—Very steady. Current movement moderate to light, but signs point to a Fall business of satisfactory size. Prices fully maintained. Poor relations with the Argentine may upset the future export from that country to the United States.

Gums

Arabic.—Quiet as to demand. Easy as to supply. Unsettled as to price. That about sums up the position of this article, stocks of which have been expanded by recently heavy arrivals from the primary market.

Benzoin.—Mighty little material can be found in any quarter, and in most respects the market for Sumatra gum is considered to be nominal.

Karaya.—Consumption moves at a good pace, keeping the market firm in price and maintaining activity at a satisfactory level.

Locust Bean.—Reasonably easy on spot, as stocks show more than fair size, and consumption runs to a steady pattern. The desire of some primary market shippers to by-pass spot dealers and reach consumers direct is not likely to succeed.

Herbs and Leaves

Laurel.—The group came in for more inquiry, but it is doubted that actual sales rose much, if any.

Marjoram.—Chilean material was priced lower at 35c. to 36c. per pound.

Passion Flower.—No firm offerings of spot goods were reported. The country offers little or nothing, and price seems little to encourage collection.

Sage.—A California producer of Dalmatian-type sage reports that he has stocks to sell at 82c. to 85c. per pound, according to quantity, f.o.b., California shipping point. As previously, no spot goods were offered in New York.

Scullcap.—Stocks for consumers are going to be far under normal if results of collection efforts made by dealers may serve as a sign of the future availability of supplies.

Thyme.—Inquiry revived and some fair-sized transactions added to prices already counted as being very steady.

Miscellaneous

Balm of Gilead.—Tending toward firmer position as stocks dry out and the loss in weight increased the value of available supplies that must care for consumption between now and after the turn of the year.

Grains of Paradise.—For later delivery some purchases might be made at 25c. to 26c. per pound, but the time of arrival is indefinite and problematical.

For Current prices see alphabetical listing beginning on page 9

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DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
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GENTIAN ROOT
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GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
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HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
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Hops.—The War Food Administration reports a purchase on July 3 of 8,960 pounds of hops packed in one-pound tins at 87½c. per pound.

Lycopodium.—Reports would seem to suggest that the primary market occasionally views some prices quoted by dealers as having been made for the purpose of depressing primary market values rather than to effect actual sales to consumers out of spot stocks.

Roots

Althea.—Gatherers have not collected much of this root, and the next consuming season is likely to be one of "short meter, Brother Peter."

Blood.—Dealers expect that, once the consumers put the squeeze on available supplies, they are likely to melt fast, leaving shortage as a condition that it will be difficult to eliminate.

Dandelion.—Very firm because of moderate supplies, and firm in price, notwithstanding the absence of much consumer interest at the moment.

Goldenseal.—The supply situation is very tight. A three-year crop, cultivation of this root has decreased much since export became impossible.

—*Continued on page 70*

Botanical Exports from Spain in 1943

Records of the Grupo de Plantas Medicinales, Aromaticas, y Ornamentales of the Sindicato Verticol de Frutos y Productos Horticolas, show the following exports of plant drugs and aromatics from Spain in 1943:—

	Kilos		Total	
	United States	Germany	Kilos	Pesitos
Aconite leaf	.....	.....	530	4,840
root	548	.....	1,138	13,566
Almonds, bitter	.....	.....	100	3,000
sweet	.....	10,000	10,750	322,500
Almondtree gum	.....	8,170	8,170	102,802
Althea root	.....	14,000	24,727	250,353
Anise	.....	.....	44,575	382,010
Bryonia root	.....	.....	245	1,127
Burdock root	.....	.....	10,000	78,500
Caraway	28,863	.....	28,912	256,835
Carob-bean, gum	13,000	103,005	204,405	3,473,566
Chamomile	.....	2,875	2,875	21,127
Conium leaf	.....	.....	97	388
Coriander	.....	108,543	111,563	570,169
Digitalis	.....	.....	4,650	34,550
Ergot	.....	150	150	5,700
Gentian extract	.....	.....	909	49,995
root	.....	10,000	10,895	92,485
Henbane	.....	.....	97	611
Juniper berries	.....	.....	6,080	20,634
Labdanum	.....	.....	4,105	168,305
Laurel leaf	.....	221,451	221,451	1,001,530
Lavender flowers	.....	1,600	10,949	65,768
Licorice extract	.....	.....	18,689	221,472
root	.....	17,220	45,141	170,494
Linden flowers	.....	.....	46	920
Malefern	.....	.....	960	4,800
Marjoram	.....	3,649	5,302	39,236
Mint, powdered	.....	.....	96	499
Oakmoss	4,126	.....	4,126	16,504
Oreganum	.....	.....	386	1,930
Passion-flower	.....	.....	30	75
Plantain	.....	.....	1,479	22,770
Poppy petals	.....	3,350	3,764	43,573
Rose lips	.....	8,094	8,194	38,942
Rosemary	20,684	.....	52,383	152,522
Rue	.....	.....	96	350
Sage	319,512	20,040	341,637	1,346,107
Spanish moss	.....	.....	337,612	475,842
Spike lavender	.....	.....	975	4,144
Squill	.....	.....	12,347	12,347
Teasel	.....	.....	5,131	82,096
Thyme	176,227	1,133,131	1,312,896	3,991,760
Uva ursi	87,259	400,466	494,095	1,538,944
Valerian root	.....	.....	3,400	51,000
Winter savory	41,077	.....	62,062	293,642

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Essential Oils, Other Aromatics

Market comment on essential oils naturally gravitated to consideration of the two meetings between lemon oil importers and dealers, on one hand, and representatives of the War Food Administration, on the other. They took place July 28 and 31, the first meeting involving members of the essential oil advisory committee, and the second with importers and dealers in imported oil of lemon.

When the information concerning the meetings was sifted, not much of definite character was left, and, so far as dealers getting more lemon oil to sell for civilian purposes, that desirable end was as far off as ever. WFA said all the recent importation of 100,000 pounds would go to make products required by the armed forces. It also said that the army in Italy has about 54,000 pounds of oil that may be shipped—some time. When that "time" will be was left thoroughly indeterminate. It further stated that a majority of the twenty-seven lemon oil dealers and importers who attended the meeting agreed that the historical import figures for the four years 1937 through 1940 were the best basis for the allocation to the trade of Sicilian oil that may be shipped here in the future. Finally, WFA said that the domestic oil situation may become easier this year as the result of the allotment of the recent 100,000-pound arrival to the armed forces. Future allocation would seem destined to be on the basis of individual dealers' sales of imported oil yearly over the four-year period chosen as a base. So far as getting oil now for a starving lemon oil distributing trade, the situation is little different than "As you were."

Spot business continued on an active basis, with substitute and replacement goods getting a continuous and excellent call. Slightly lower prices were noted on ginger, and dillweed oil. Basically, the market was still shy of stocks in general and strong as to price position in practically all items.

Market Trends

Prices Advanced

None

Prices Reduced

Dill, weed oil, 50c. per lb.
Ginger, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
262.6	262.6	262.4	245.9

Essential Oils

Almond.—Sweet oil exceptionally firm in all quarters, although demand did not press sharply on the spot market. Present prices are in line with first costs and leave little opportunity for shading under competition.

Angelica.—Further offerings of root oil were noted but the total available is conservative and most of the usual sources of supply have nothing to deliver.

Anise.—The spot was clear of supplies so far as could be ascertained. Every now and again, odd lots appear on the open market but that is the exception, not the rule. Replacement merchandise moves in excellent quantities.

Bay.—Inquiry was very fair throughout the past week. Although sellers report little buying activity suggestive of consumers' disposition to cover well into the future, a good-sized call against immediate needs prevailed.

Bergamot.—Large bodies move slowly and the movement toward reestablishment of spot stocks of Italian oil is slowest of the slow. It now appears that when available, the allocation to dealers will be on the basis of the oil sold by them over the five-year period of 1937 to 1941. That period mixes thoroughly years devoid of war with war years when stocks had all but disappeared.

Camphor.—Some Chinese water-white oil was said to be available around 30c. per pound.

Capsicum (Oleoresin).—The varieties of raw material available now has increased sharply and ranges from material of domestic origin from some imported from Unganda, Africa. Needs for the oleoresin are being met on the basis of very steady prices.

Caraway.—Many feature replacement goods, reporting no genuine oil available. Others admit to small holdings of genuine material and all such take a strong, high view on the value of available merchandise.

Cardamom.—No further lowering of prices, the market showing a firming tendency with spot quotations in line with replacement costs. Demand was generally light.

Cedarleaf.—Firm to strong with prices for consumers showing all of the strength of the article as held by the producers who refuse to do business at less than ceiling prices.

Cedarwood.—Very firm at the recent advance. Offerings fail to indicate anything like a normal availability of supplies and hence the tendency is upward whenever firm orders appear on the open market.

Celery.—No further tendency toward price reduction was noted. In fact, the trend appeared to be toward a firmer position since the available stocks are conservative at the best. Demand was moderate last week.

Citronella.—Replacement goods seem to hold much interest for and sell at about half the price for natural oil, the supply of which is far from excessive and the replacement of which is costly and slow.

Dill.—Weed oil of domestic manufacture was available at $5 to $5.50 per pound at the beginning of the most active consuming season. It is also noted that there is a wide interest being shown in seed.

Eucalyptus.—Scarcity—not oil—abounds. The market has been cleared of practically all open market supplies. Anything available appears to be earmarked for the account of regular customers and the total of such oil would hardly make a respectable shipment in normal times.

Geranium.—It appeals that some of this oil may be fetched from the primary market in the future, and the allocation here will be on the basis of dealers' sales over the five-year period from 1937 through 1941. It is doubted that the fact government agencies are talking about bringing goods forward will cause dealers over enthusiasm. They are well acquainted of the long trail between proposal and accomplishment.

Ginger.—Holding very firm in most directions. However, one quarter is noted quoting $19.50 per pound, while others went upwards of $22 per pound.

Juniper.—No major supply was in hand nor in sight. It appears that replenishment in volume must await the eventual shipment of European oil, possible from or through Italian ports.

Lemon.—From information exchanged at the meeting held July 31 by the War Food Administration and sellers of imported lemon oil, it appears that further quantities of Italian oil will be forthcoming. In fact, the army was understood to be holding a further 54,000 pounds (some accounts said 45,000 pounds) in Italy. It was said that distribution of imported oil, if and when made in the future, will be on the basis of the individual dealer's sales over the annual periods from 1937 through 1940. The imports in each of the critical years may hold some interest. They were:—

	Pounds
1937	353,616
1938	96,861
1939	148,235
1940	231,218
Total	829,930
Average import per year	207,480

It is understood that no sales of domestic lemon oil are to be included in the figures dealers must eventually file in order to establish the business they did annually in 1937-1940; the only figures that count are those covering sales of imported oil. And if the scheme set up for reporting sales reports on other oils which may eventually be imported by government agencies is followed in lemon, dealers will have to show:—Type and description; quantity entered; date of each entry; entry number, if available; port of entry; country of origin.

Aromatic Chemicals

Anethol.—Not plentiful and hence strongly held, with sellers showing sharp reserve in the matter of offerings.

For Current prices see alphabetical listing beginning on page 9.

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SYNTHETIC MUSKS

Well-established company in aromatic chemical line wishes to acquire processes for the manufacture of various types of synthetic musks.

Address replies to Box 270, Oil Paint and Drug Reporter

Benzaldehyde.—Continues in fairly tight position. Delieveries mainly for essential requirements of the high-tension sort.

Benzyl Compounds.—Generally firm. No exceptional demand, but a steady call that found sellers able to make deliveries only of modest size.

Cinnamic Alcohol.—In good request. Reserves reported conservative in size and in strong hands. Production moderate.

Coumarin.—Demand takes production fully, leaving but limited reserves wherewith to supply unexpected increases in needs of consumers.

Eugenol.—Firm but lacking signs pointing to possible increase in strength. Demand being met on a fairly prompt basis. Prices hold well.

Spanish Essential Oil Exports

Records of the Grupo de Plantas Medicinales, Aromaticas y Ornamentales of the Sindicato Vertical de Frutos y Productos Horticolas show the following exports of essential oils from Spain during 1943:—

	Kilos U.S.	Kilos Germany	Total Kilos	Total Pesitos
Anise	.....	.....	200	105,000
Eucalyptus	.....	.....	1,650	95,990
Fennel	.....	34	34	2,763
Fruit [?]	.....	.....	150	9,300
Grapefruit	.....	.....	18	5,559
Lavender	.....	23,348	23,908	2,516,230
Lemon	.....	520	614	105,053
Marjoram	.....	1,000	1,000	71,500
Mint	.....	6,200	6,588	1,269,480
Orange	.....	25,637	29,828	6,364,256
Rosemary	.....	4,000	6,184	277,895
Rue	.....	1,000	1,000	150,000
Thyme	.....	6,170	6,170	437,750

Kittay Southern Head For National Starch Products

National Starch Products, Inc., has appointed Capt. Mack E. Kittay as manager of its Southern division, with headquarters in Houston, Tex. Prior to his enlistment in the U. S. Army, he was for thirteen years with National Adhesive Corporations, now a division of National Starch Products.

Hormone Therapy Indexed

A completely modernized version of "Handy Index to Hormone Therapy" has just been made available to physicians and pharmacists by the Schering Corporation, Bloomfield, N. J.

Importers

SOUTH AMERICAN ESSENTIAL OILS

From Original Sources

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HAVE YOUR PERFUMING PROBLEMS SOLVED BY

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Petroleum Derivatives

With the lion's share of all the principal derivatives of petroleum being syphoned off from their hitherto customary destinations, for immediate employment on an ever-rising scale in the European and Pacific invasion operations, the shortages of aromatic and other petroleum solvents and liquefied gases as well as bunker and all other fuel oils, lubricating oils and low to medium octane gasoline, available for civilian uses on the East coast, are becoming more acute daily, despite moderate accumulations of both light and heavy fuel oils and ordinary motor fuels in other sections of the United States.

Much of this additional tension in these petroleum products along the Atlantic seaboard, and especially at the port of New York, is attributable to the growing diversion of thousands of tankcars, hitherto plying between the various points of production in the West and the East Coast, to the conveyance of high-octane gasoline, fuel and lubricating oils and the lighter hydrocarbons as well as West Texas crude oil to the Pacific coast, where it is pressingly needed to supplement the gigantic shipments currently being made to the fighting fronts in the Pacific warfare.

The unprecedentedly huge domestic production of crude oil, which has shown only a slight dip from topmost levels within the past week, is still proving insufficient for the operation of all the independent refineries and petroleum chemical plants in the Midwest to the full capacity of their fractionating units, especially as the runs of crude oil to these plants have latterly shown a small contraction, due to a falling off in imports. And even the incentive of the premiums now being paid by government agencies to stripper wells cannot be counted on to swell the domestic output to materially larger proportions. Hence much more reliance than heretofore will have to be placed on importations from Mexico, Venezuela, Colombia and the Caribbean areas, if there is to be any substantial quantity of crude oil available for conversion into derivatives for civilian uses, after all military and lend-lease requirements of wartime are met.

Solvents and Dluents

Aromatic Solvents.—General satisfaction is now being expressed, by consumers as well as by processors of these high solvency aromatic naphthas, over the smooth operation of the provisions in the latest amendment to WPB's conservative order M-150, whereby notable additions have been made to the permissible uses of the grades hitherto under strict allocation control. And, although the demand for virtually all grades continues fairly keen, processors have latterly been experiencing no difficulty in obtaining a sufficient supply of xylene as the base for making these naphtha specialties.

Cleaners' Naphtha.—Buying interest continues sizable on the part of both military and civilian users. Market stable.

Lacquer Diluent.—Moving steadily into consuming channels in the paint trade with those engaged in war production work taking the bulk of the offerings. Tone firm.

Mineral Spirit.—In scanty supply but unabated demand with prices firmly maintained throughout the list.

Rubber Solvent.—Manufacturers of synthetic rubber continue taking virtually the entire output of this naphtha specialty. Market strong.

Stoddard Solvent.—Continues in brisk request, with steady movement reported to both military and civilian dry-cleaning operations. Tone firm.

V. M. & P. Naphtha.—Being shipped in ever-increasing volume, chiefly to those paint interests engaged in war production work but also, on a smaller scale, to civilian use processors. Prices firmly held.

Markets at Other Centers

Chicago, Aug. 4.—Wartime pressure for additional material in the market for petroleum solvents is being felt from various consuming lines, much of this being related to war needs. Seasonal considerations are the factors mostly guiding trade transactions otherwise.

Los Angeles, Aug. 4.—Requirements of receivers of Class A petroleum solvents continue to be met, but the situation in Class B grades remains acute, insofar as the regular consumer trade is concerned.

Market Trends

Prices Advanced

Lubricating oil, neutral, Pennsylvania, 0-25 pour test, 150 and 200 vis., 1c. per gal.

Prices Reduced

None

Lighter Fractions

Butane.—Makers of high-octane aviation gasoline and synthetic rubber, needed on an unabatedly huge scale in the war effort, are still absorbing virtually the entire current output of this liquefied gas, with the result that there is little or none left for heating and private industrial employment. Prices strongly maintained.

Heptane.—Still moving in fair volume. Market firm.

Hexane.—Increasing buying interest shown. Tone steady.

Octanes.—Continued in good demand. No change in price structure.

Pentanes.—Military takings constantly expanding. Market was firm throughout.

Propane.—The market for this liquefied gas continues to exhibit conditions identical with those prevailing in butane.

Petrolatums and Waxes

Amorphous Waxes.—A steady movement into consuming channels continues to be noted in these waxes, under the leadership of standard process types. Market stable.

Paraffin.—With takings of crude scale by government procurement agencies on lend-lease account reaching sizable proportions, the supply of this wax is being steadily reduced, although it is still sufficient for all current requirements at home as well as abroad. Greater difficulties are being experienced, however, in procuring private export licenses. Refined grades are still in rather light supply and keen demand.

Petrolatums.—A steady movement of U.S.P., veterinarian and technical grades continues to be noted into consuming channels, with prices firmly maintained throughout the list.

White Mineral Oils.—Price shading is still reported in offerings and sales of relatively small lots of these oils but the leading refiners continue to stand firmly on their price schedules while securing the bulk of the sizable orders.

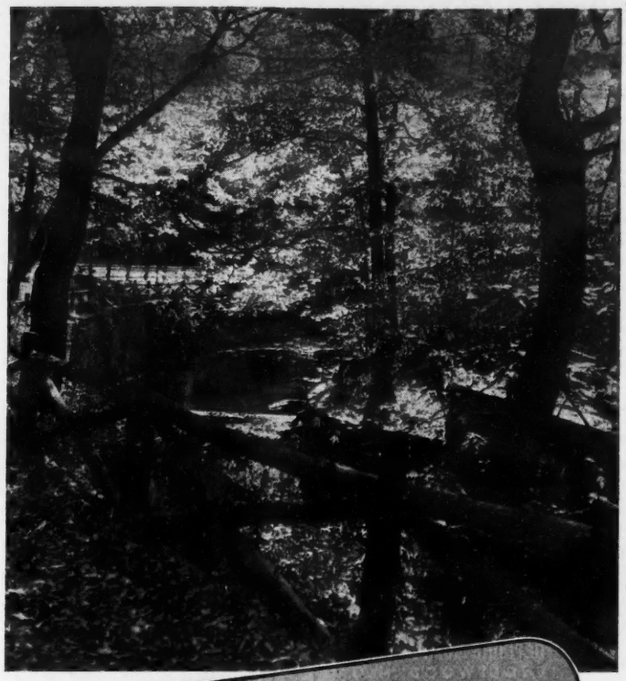
Fuels and Lubricants

Crude Petroleum.—Slight dips have been noted in the average daily production rate and in runs of crude oil to the refineries but no significance is attachable to either of these developments. The country's output of crude oil for the week ended July 29 showed an average of 4,608,450 barrels daily, a decline of 7,000 barrels from the rate noted in the previous week but 2,350 barrels in excess of PAW's recommendation for a daily yield of 4,606,100 barrels for July. Crude oil runs to still for that same week averaged 4,627,000 barrels daily, compared with a revised figure of 4,670,000 barrels for the preceding week.

Necessary authorizations of the recently approved increases in maximum prices paid on and after August 1 for crude oil obtained from stripper pools, in accordance with the stripper well premium plan, have been set forth, together with some minor revisions in the price regulation covering crude oil in a formal announcement made August 2 by OPA. It is noted that to the list of pools previously announced as entitled to receive the premium payments fourteen have been added, five deleted and two changed in their allowable premium price increases.

Formal announcement has also been made, this past week, of the public offering for sale on August 15 of approximately 2,500,000 barrels of crude

For Current prices see alphabetical listing beginning on page 9.



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PHOSGENE
(CARBONYL CHLORIDE)
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WHITE OILS
All Grades, PARAFFIN AND MICRO-CRYSTALLINE WAX-PETROLATUMS
OIL STATES PETROLEUM CO., INC., Woolworth Building, New York 7, N.Y. Plant, Bayonne, N. J.

oil from the Elk Hills Naval Petroleum Reserve in Ker County, California. This crude oil, representing production for the six-month period ending December 31, 1944, is the first obtained under congressional authority to increase the output of the Elk Hills reservation to the extent of 50,000 barrels daily.

Fuel Oil. — OPA has removed gravity-scale ceiling prices from No. 6 commercial standard specification fuel oil at the refinery and replaced the sliding-scale arrangement with specific dollars-and-cents ceilings based on the former ceiling for 13-15.9 gravity oil. The changes have involved a spelling-out of maximum prices for twenty-three refinery and tanker terminal areas. The new ceiling for No. 6 commercial grade oil varies from 92c. to $2.16 for a 42-gallon barrel. At all East Coast refineries and tanker terminals north of Norfolk, Va., the new ceiling is a flat $1.77 per barrel.

Gasoline.—In an effort to ease the exceedingly tight situation in gasoline in the Northeast, PAW has made arrangements for starting shipments of this motor fuel through the "Little Inch" pipeline from Texas to the Philadelphia-New York area within the near future. Hitherto, this line has been used chiefly for the movement eastward of light fuel oil. But it is not expected that any of the gasoline to be shot through this pipeline will be available to consumers in the Northeast until September 1.

At the request of the Army and Navy, a new system of "ration evidences" has been devised by OPA for supplying the Army, Navy, Marine Corps, Coast Guard, Maritime Commission and War Shipping Administration with both gasoline and fuel oil, beginning August 1.

Lubricating Oil.—A growing shortage of Pennsylvania neutral grades has enabled Midwestern brokers to make sales of 0.25 pour test, both 150 and 200 viscosities, at 28 cents and 30 cents per gallon, respectively, an increase of 1 cent, each, over previous prices.

S.C.I. Medal

—*Continued from page 3*

years he attended the Massachusetts Institute of Technology and received a B.S. degree in chemical engineering in 1909. In 1911 he became director of research with the American Sheet & Tin Plate Company. In 1919, in association with Charles Almy, he organized the Dewey & Almy Chemical Company. He has been president of that company since its organization. In September, 1942, Col. Dewey was appointed deputy rubber director and since September, 1943, has been rubber director. In World War I, Col. Dewey served in the Chemical Warfare Service of the U. S. Army; he was appointed first lieutenant in April 1917 and by July 1918 had been promoted to colonel in charge of the gas Defense Division. He was awarded the Distinguished Service Medal.

Hycar Names Bell Technical Service Engineer

Frank E. Bell has been appointed technical service engineer for Hycar Chemical Company, producer of butadiene-type synthetic rubber, Akron, Ohio.

Ass't General Manager

M. A. Kindig has been appointed assistant general manager of the industrial division of the Sherwin-Williams Company, paint manufacturer, Cleveland, according to Gordon H. Robertson, general manager.

Lubricating Oils Processing Discussed by Kellogg Co.

All the most modern developments in the refining of lubricating oil, including processes, are discussed and analyzed in a new brochure entitled "Stepping up the Dollar Value of Crudes in the Processing of Lubes," which has just been issued by the M. W. Kellogg Company, petro-chemical engineer, New York.

Pressed Steel Tank Opens Los Angeles, Chicago Offices

The Pressed Steel Tank Company, Milwaukee, Wis., is reopening its branch offices in Chicago and Los Angeles. Kenneth Cole will be in charge at Chicago, in 208 S. LaSalle street. James Barr will be in charge in Los Angeles, in 727 West Seventh street.

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RUST PREVENTIVES
From the Refinery of
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Fertilizer Materials

Agriculture, apparently, can have a record amount of fertilizer during the year that began July 1, 1944, provided at least 4,500,000 tons of it are delivered to farms in the last six months of this year, states the War Food Administration. Officials said there is a practical limit to the amount manufacturers can produce and deliver during the rush period from January to June. This means they can deliver the total amount permitted by supplies of fertilizer materials only if larger amounts than ever before are moved to farms by the end of December. In the July-December period of 1943, fertilizer deliveries totaled 3,500,000 tons, against 2,000,000 tons for the corresponding months in 1942.

Demand for ammonia sulphate and nitrogen solutions has continued to increase owing to beliefs that stocks of nitrates, as well as anhydrous and aqua ammonias, will be diverted to war production channels in steadily mounting quantities. In regard to the last two materials, it is stated that chemical and industrial users of these ammonias have the first call on available supplies, and their use in fertilizer manufacture is permitted only after the chemical and industrial demands are satisfied. There is no blanket prohibition against the use of these ammonias in fertilizer production, but the suppliers have a standing order to fill the chemical and industrial needs first, and if there in any left over, then to fill the orders of the fertilizer manufacturers.

Production of ammonia sulphate for June was 4.6 percent below the May level, according to the Bureau of Mines. June output was 133,041,627 pounds, compared with 139,456,216 pounds in May and 120,071,000 pounds for June, 1943. Stocks at the close of June were 138,600,249 pounds, compared witht 90,472,332 pounds at the end of May, and 79,135,656 pounds at the end of June, 1943. Section 9 of RMPR-205 has been amended, and refers to the price in Washington, Oregon, California and Arizona. The maximum price is established at $36.50 per ton in bulk and $38 in bags, delivered to any destination, plus freight charges.

Nitrogenates

Ammonia Sulphate.—Buying interest continued active with production moving rapidly into consuming channels. Movement under WPB regulation with demand stimulated by prospects of a possible shortage later in the season.

Bone Meal.—Odd lots of domestic material have reached the market from time to time with sellers holding firm at ceiling figures. Sales reported were entirely for feeding purposes.

Castor Pomace.—Demand remained above the current production level leaving the market in a firm, tight position. The soldup condition of output has confined new business to a minimum basis.

Dried Blood.—Not much activity in the open market. Demand and offerings were both limited, although sellers were not inclined to shade ceiling figures.

Sheep Manure.—Some material was available at ceiling prices with buyers showing relatively little interest. The differential between buyers' and sellers' views was sufficient to restrain actual transactions.

Soda Nitrate.—Fertilizer manu c-turers East of the Rockies have b en advised by WPB that a limited quantity of soda nitrate in bags will be available during the months of August through October. To take care of requirements for direct application only, during that period, each manufacturer is permitted to order from his supplier up to 25 percent of his established base, in each state in which he operates. WPB warns that orders should be placed well in advance of needs so as to avoid delays in shipment. Material so taken is not to be considered a supplemental allocation, but will be charged against the manufacturer's total allotment for 1944-1945.

Market Trends

Prices Advanced

Ammonia nitrate, domestic ordnance, $1 per ton

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Tankage.—Occasional car lot transactions were reported at ceiling levels to feeders. No urgent buying interest was noted and no evidence of domestic pressure was revealed. A waiting attitude was characteristic of the general market.

Phosphates

Phosphate Rock.—Shipments for the manufacture of superphosphate have continued heavy. Demand has shown no tendency to relax, and, regardless of the steady drain, the supply situation has remained adequate to satisfy requirements. Higher producing costs have contributed strength to the market's price structure, and the undertone was reported firm at the recently revised ceilings.

Superphosphate.—Market's position has tightened, with production somewhat behind schedule. Production has continued at the capacity labor shortages permit, but inability to obtain sufficient manpower gave the new season a rather unfavorable start. Production at present is not flexible, and any loss of output is exceedingly difficult to replace. The opinion was expressed that the starting of additional plants may relieve the situation in surrounding areas, but will not contribute especially to the general market supply situation.

Potashes

War Food Administration states that increased potash supplies this year should enable fertilizer manufacturers to turn out mixed fertilizers with higher potash content than in the last few years. In a letter to fertilizer manufacturers an official of WFA has suggested that mixed material this year can and should carry as much potash as they customarily did before wartime supply shortages necessitated reductions. It was pointed out that an increase in the potash content of mixed goods would be in line with WFA's general recommendation that mixers produce fertilizers having a high plant food content.

Sulphur and Pyrites

Adequate supplies of sulphur have easily satisfied a heavy miscellaneous consuming demand. The maintenance of large tonnage shipments from mines continued to be the salient feature of the market. Spanish pyrites was quiet with prices nominally unchanged.

Markets at Other Centers

Atlanta, Aug. 4.—Production of base materials to be used in making fertilizers of various allowable analyses is the chief concern of the industry at present. With a large stock of base goods ready for quick conversion into various grades, manufacturers of mixed fertilizers hope to be able to promptly meet early demands of farmers. Receiving the needed materials regularly, prompt handling at the fertilizer plants during the Summer and Fall are required to meet another great demand. Shortage of labor, primarily, and deliveries of materials, secondarily, are reported the chief hindrances to the undertaking. The industry is reported picking up some farm labor during period between of "laying-by" of crops and harvesting but full requirements, it is stated, have not been met for even this temporary period.

Baltimore, Aug. 4.—Fishing operations have been hindered by a tropical storm, so that additions to scrap were small. Demand seemed to lag and sales were made as conditions would allow, there being no advantage in accumulating supplies with the ceiling unchanged at $1.21 per unit. Some further offerings of superphosphate to the government for distribution to agricultural agencies was reported bringing offers up to 100,000 tons against the 1,125,000 tons asked for over the last months of the current year. Feeders have taken some tankage but fertilizer interests are not buying at current prices.

Chicago, Aug. 4.—Supplies of livestock are continuing to move into the market fairly well, keeping the nitrogenous fertilizer materials moderately supplied in the long run. The tone of these fertilizer products in the market is holding firm. Inquiry is a little better for blood, while tankage is moving in good aggregate volume. Bone materials are holding their own. Dried Blood—Principal grade, $5.53 per unit of ammonia. Tankage—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid stick, tankcar, $1.75 to $2. Bone Materials—Ground bone, steamed, 3 and 50 percent, $35 to $36; cattle jaws, skulls and knuckles, $45; dry, rendered tankage, hard pressed, $1.25; 50 percent meat and bone scrap, $68 to $70.

Los Angeues, Aug. 4.—Interest continues steady in the market for nitrogenous materials. Approximately 35 percent of July shipments on ammonia nitrate have been reported filled here, with labor shortage continuing at the production point. Ruling prices are:—Ammonia Phosphate—Quoted $48 per ton for 16/20 grade and $57 for 11/48 delivered California plant. Ammonia nitrate—Quoted $65 per ton, f.o.b. production point, with freight allowance up to $4.40 per ton. Ammonia Sulphate—Quoted at $38 per ton with freight allowance up to $4.40 per ton from California plant. Canadian material on same basis. Bone Meal—Nominal at $45 to $48.50 per ton for steamed variety. Fish Meal—$77.50 per ton in cars for 67 percent protein California sardine meal, f.o.b. production plant, plus $2.00 merchandising charge.

Freeport Sulphur Names A.W. Walter Comptroller

Allan W. Walter has been elected comptroller of the Freeport Sulphur Company, according to R. K. Shirley, vice-president and treasurer of the company. Mr. Walter was previously associated with the Firestone Tire & Rubber Company, Akron, Ohio, for many years. Joseph A. Mullins, who has been associated with Freeport Sulphur Company since 1934, has been made assistant comptroller.

American Cyanamid Names Phosphate Rock Output Head

American Cyanamid Company, New York, has appointed Arthur Crago manager of its phosphate rock production operations. Mr. Crago will be in charge of, and will have full responsibility for all of the company's activities in the Florida phosphate rock field with headquarters at Brewster, Fla.

McCoy Traffic Manager For International Minerals

Sinclair B. McCoy has been appointed traffic manager of the International Minerals & Chemical Corporation. Edward R. White has been made assistant traffic manager.

OPA From Stockpiles

—*Continued from page 7*

that the price paid does not exceed the applicable maximum price.

Buyers who are manufacturers of the same commodity must certify that the price paid does not exceed their own maximum selling prices. If any buyer certifies that there is no existing dollar-and-cent maximum price for the commodity, the government agency may sell at acquisition or replacement costs.

No government selling agent may avail himself of this method of maximum pricing where he has reason to doubt the accuracy of the certification.

Exempt From Price Control

This order exempts from price control sales by a government agency (1) to another government agency; (2) to any foreign government; (3) to a contractor for use in carrying out his prime contract with a government agency; (4) to any relief organization for donation or export sale; (5) of a single item or group of items where the sales price estimated to be obtainable for all substantially similar items available for sale at the place of sale does not exceed $300; (6) of personal property when sold together with an interest in land or buildings in a single transaction; (7) of all or substantially all the government-owned contents of a factory or plant to the owner, lessee, or operator; or to any other single buyer purchasing for use; (8) of building installations, facilities, appurtenances, equipment, and personal property attached to the land.

OPA may, upon application of a government agency or upon its own motion, exempt such further types of sales as it deems necessary to facilitate the disposal of government commodities if it appears that such exemptions will not have inflationary consequences.

Borden Names Brocklesby Coordinator of Research

Dr. H. N. Brocklesby has been appointed coordinator of research and laboratories of the special products division of the Borden Company. Dr. Brocklesby, who for two years has been on the West coast as director of research of the Farallone division of the Borden Company, will have his headquarters in the Borden building, New York.

C.E. Lightfoot Joins Potash Company of America

C. E. Lightfoot has joined the sales division of the Potash Company of America, New York. Mr. Lightfoot had been for many years associated with the Barrett division of the Allied Chemical & Dye Corporation, in connection with sales of nitrogen to the agricultural trade.

Stanley W. MacKenzie has been appointed director of purchases for the U. S. Rubber Company, Akron.

Domestic SULPHATE of AMMONIA
AND AMMONIA LIQUOR
MADE IN THE U.S.A.
Barrett NITROGEN
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
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FERTILIZER MATERIALS
Conditioners and Fillers A Specialty
THE DICKERSON COMPANY
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Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
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Mine: Newgulf, Texas

For current prices see alphabetical listing beginning on page 9.

FMC

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EQUIPMENT

from FMC Inventory

2 GRUENDLER HAMMERMILLS
No. 4 16"x24" — No. 4½ 12"x18"

2 Williams Hammermills Requiring 40 HP and 60 HP

One MIKRO No. 4 24" PULVERIZER Directly connected to a 75 HP 3 ph. motor

1 RAYMOND 00 MILL V belt driven—35 HP motor, complete with accessories—Fan, Collectors, Blower, etc.

TABLET PRESSES

1—Stokes "O" Single Punch—¾" dia.—11/16".
1—Stokes "H" Single Punch—1½" dia.—2" fill.
1—Richards Single Punch—2½" dia.—1¼" fill.
1—Stokes "R" Single Punch—2½" dia.—2" fill.
All arranged for pulley drive.

SIFTERS—SCREENS

1—Orville Simpson Rotex No. 20—20"x64"; 4 separations; P.D.
1—Orville Simpson Rotex No. 32—54"x120"; 2 separations; P.D.
1—Schutz O'Neill No. 3 Gyratory—36"x72"; 1 separation; P.D.
1—Tyler Hummer Vibrating Screen—36"x60"; 1 separation.

BALL AND PEBBLE MILLS

1—Thropp Silex Lined—7'x6' Mill; 800 gal.
1—Steel Ball Mill—3'x6"x7'8"; 300 gal.
1—Hardinge Ball Mill—new liner; 8'x22".
4—Mushroom Ball Mills—14" to 48" dia.; complete with charge of steel balls.

DIGESTERS

1—Rotary Jacketed Steel Digester—6'x13'—also may be used as Jktd. Ball Mill—has 3 ton Steel Balls.

CRYSTALLIZERS—EVAPORATORS

1—Buffalo All Bronze Crystallizer—50 gal. 3'x3'; bottom jacketed.
2—Crystallizers, Buffalo and Devine—6' dia. x 37" high—pulley drive.
3—Pfaudler Glass Lined Jacketed Crystallizers or Evaporators—28" dia. x 10" deep.

DRYERS AND KILNS

2—Devine Rot. Vac. Dryers—3'x25'—5'x30'.
1—Devine Hor. Vac. Dryer—6'4"x15'.
1—Buffalo Vac. Drum Dryer—20"x24".
2—Louisville Tub. Steam Dryers—6'x35'.
2—Louisville Coolers—6'x25'.
8—Mosser Rotary Kilns—7'6"x60'.
1—Gehnrich Festoon Type Dryer—56" w. x 9'7" h. x 20'6" l.

HEAVY DUTY MIXERS

1—W. & P. 250 gal.—double arm, fishtail.
3—Barber 50 cu. ft. Jacketed Mixers — bottom dump; gravel, asphalt, compounds.
1—Howes, 3000 lb. Dry Ribbon type—3'x12'.
1—Day 2500 lb. Jktd. Ribbon type—30"x10'.
2—Day Single Arm, double Gear—Jktd. 175 gal.
1—Broughton Dbl. arm—54"x47"x23".

What Have You For Sale?

FIRST MACHINERY CORP.
EAST 9th STREET AND EAST RIVER DRIVE
NEW YORK 9, N. Y.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

Agencies Wanted

WELL ESTABLISHED drug distributor, New England, will consider additional lines for jobbers, department and drug stores. BOX 276, Oil, Paint and Drug Reporter.

SALES LINES wanted by manufacturers agent, Chattanooga, Tennessee, thirteen years experience selling to industries in Southern States. BOX 290, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE: One U. S. colloid mill. Reconditioned. Excellent condition, 100-200 gal. p.h. 10 h.p., Sterling electric motor, 3,600 rev. per min. 220-440 volts, 3 phase, 60 cycle. Write P. O. Box P, Tenafly, New Jersey.

Equipment Offered

OFFERED: 18 x 27 porcelain lined pebble mill; 2 HP—17 to 1 speed reducer; car puller 6 ton capacity; steam vacuum pump 874 cfm.; duplex steam pump 7 in. x 3½ in. x 8 in.; Connersville blower stainless steel 5 lbs, 10 in. x 9 in.—cast iron 12 in. x 10 in. Lawler Company, Metuchen, N. J.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 295, Oil, Paint and Drug Reporter.

WANTED: One centrifuge, with stainless steel basket 8-15 in. diameter; one sodium press. BOX 292, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE cheap for cash. All or a part of 125 bbls. acid proof caramel color, 25 bbls. and 130 large carboys 75 percent U. S. food grade phosphoric acid. All fresh stock. Owner retiring account of ill health. Make us an offer. BOX 293, Oil, Paint and Drug Reporter.

TALC, 500 tons; contains 60 percent magnesium silicate, 29 percent magnesium oxide, 5 percent calcium oxide, 98 percent pass 325 mesh. Packed in cartons containing 10 bags 4½ pounds each. Textile & Paper Supply Corporation, 610 Standard Building, Atlanta 3, Ga.

NO TIME FOR COMPLACENCY

Keep Up Production With "CONSOLIDATED" Equipment

LIQUIDATION MACHINERY AND EQUIPMENT OF FORMER
CENTRAL SUGAR CO., Decatur, Indiana

1—Battery of 5—40" BRONZE BASKET, Western States 1600 RPM. belt driven CENTRIFUGALS, ball bearing, water-cooled heads; mixer with Stevens mingler coil, syrup troughs, all supporting framework, unloaders.

1—Battery 6—40" and 1 battery 4—40" American Tool BRONZE BASKET, 1500 RPM., belt driven CENTRIFUGALS, plain bearings, mixer, supporting framework, syrup troughs, unloaders.

1—19,000 sq. ft., QUADRUPLE EFFECT, horizontal, brass tube EVAPORATOR, with all piping, pumps, etc.

3—8'x12' All Steel OLIVER FILTERS, complete with all pumps and receivers.

3—8x10 Wood Stave OLIVER FILTERS, complete with all pumps and accessories.

3—No. 12 SWEETLAND FILTERS, iron leaves on 4" centers.

9—JUICE HEATERS, 500 to 750 sq. ft. H. S.

1—Hersey double unit ROTARY DRYER OR GRANULATOR.

2—Burman ROTARY DOUBLE SHELL DIRECT HEAT PULP DRYERS.

Miscellaneous: Crystallizers, Pumps, Package Machinery, Dryers, Coil and Calandria Pans

Send for Printed Circular
Arrange to Inspect

REMAINING
AT BAYONNE, New Jersey

1—24" dia. x 40" PENNSYLVANIA SINGLE ROLL CRUSHER.
1—18" x 18" LANCASTER TWO-ROLL CRUSHER.
1—HARDINGE CONICAL PEBBLE MILL, 6' x 36", silex lined, silent chain drive, motor and starter.
3—DORR BOWL CLASSIFIERS—10' dia. bowl with 2'3"x19'8" rake, 12' dia. bowl with 2'3"x21'4" rake, 15' dia. bowl with 2'3"x23' rake.
1—OLIVER DUPLEX DRY VACUUM PUMP, 14" x 8".
1—HARDINGE CONSTANT WEIGHT FEEDER, ¼ HP motor.
3—DORR THICKENER MECHANISMS—Trays and Superstructures for 20' dia. x 10'; 30' dia. x 12'; 40' dia. x 12'.
4—DORRCO DIAPHRAGM PUMPS, single and duplex.
1—8' x 8' OLIVER ROTARY CONTINUOUS VACUUM FILTER.
3—RAYMOND BROS. "IMP" PULVERIZERS, No. 40, with direct connected motors, cyclone collectors and all inter-connecting piping.

Special Items from Stock

56—(NEW) STAINLESS STEEL steam jacketed KETTLES, up to 500 gal. cap. AA3 needed.

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.
1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry complete with accessories.
10—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 36" x 12'.
2—ATMOSPHERIC DRUM DRYERS 4'x 12'.
1—29" x 60" ATMOSPHERIC DOUBLE DRUM DRYERS, m.d.
2—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZERS or VACUUM PAN DRYERS.
4—6 TRUCK DRYERS, Philadelphia Textile.
9—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30'.
1—7'6" x 75' ndirect Heat ROTARY DRYER.
2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
3—CRUSHING ROLLS, 40 x 16" Colorado Iron Works; 36" x 16" Sturtevant.
6—DRY POWDER MIXERS various sizes. To 3000 lbs.
2—W. & P. MIXERS, sizes 21-X-DB Jacketed 625 gal.
2—4-Roll RAYMOND HIGH SIDE MILLS for extremely fine pulverizing.

2—LOUISVILLE Rotary Steam TUBE DRYERS, 6'x35'. Each equipped with 2 rows of tubes, recent model.

1—4'x6' OLIVER CONTINUOUS FILTER; 2—8'x8'
3—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 1, No. 0000.
1—Day No. 30 Imperial Jack. MIXER, 75 gal.
8—RUBBER LINED Rectangular TANKS; 7—500-gal.; 1—150 gal.
29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—PNEUM. SCALE CARTON PACKAGING UNIT
1—Pneumatic Scale Co. Auto. tight WRAPPER.
2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes.
1—36" dia. Cast Iron COLUMN, 23" high.
1—355 c.f.m. AIR COMPRESSOR, with A. C. Motor.
1—Devine duplex VACUUM PUMP 16 x 16 x 12.
2—STOKES steam heated WATER STILLS, 5, 10 gal. per hour.
1—Day 5-gal. Jacketed MOGUL MIXER.
9—Hardinge BALL MILLS, 3' x 8", 3' x 36", 6' x 36"; also 6' x 12' Rod Mill.
5—ROTARY KILNS, 6' x 60', 8' x 125', 8'x 135'.
2—BELT CONVEYORS, 30" x 130', 16" x 65'.
3—Dracco Perfecto Type AAA DUST COLLECTORS
1—Abbe Blutergess No. 2 SIFTER; 1—No. OS, m.d
2—Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS.
30—Jacketed Kettles, 20 gal. to 2000 gal.
3—ROLLER MILLS, 6' x 14", 12 x 30, 16 x 40 water cooled.
2—K. K. 18-spout Rotary Gravity hand FILLERS.
1—Pneumatic Scale straight line BOTTLE CLEANER
4—150 gal. aluminum TANKS, cone bottom.
1—Stokes No. 21 GRANULATING MIXER, 50 lb. belt driven.
4—Granberg LIQUID METERS.
1—No. 7; 2—Colton TUBE or JAR FILLERS.
2—Colton hand TUBE FILLERS and CLOSERS.
2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS.
2—World Rotary auto. LABELERS.
1—C. C. & S. 7-head Jumbo CROWNER.

EXPELLERS

6—Anderson No. 1 OIL EXPELLERS, with feeders, tempering apparatus, 15 HP AC motors—rebuilt.

1—Sperry Iron FILTER PRESS, 36" x 36", 38 chambers.
7—50 gal. copper steam jacketed VACUUM PANS, complete, other sizes to 750 gal.
1—Robinson 22" ball bearing ATTRITION MILL, with 2—15 H. P. A. C. motors.
1—300 gal. COPPER steam jack. KETTLE, with bronze agitator.
1—Pneumatic Scale Co. Auto. 6 head CAPPER & CAP FEEDER, M. D.
1—(new) Stokes "F" single punch TABLET MACHINE, 54", var. speed and A. C. motor; 1—Stokes T, 1½", belt driven.

1—No. 12 SWEETLAND FILTER with 36 monel leaves, 250 mesh, grooved.

WANTED: Idle Machines
Single Items or Complete Units.
You can help War Production by sending us your list.

We Buy and Sell From a Single Item to a Complete Plant

CONSOLIDATED PRODUCTS CO., INC.

13-18 Park Row
New York 7, N. Y.

FOR OVER 25 YEARS A SYMBOL OF CONFIDENCE

Shops: 335 Doremus Ave.
Newark 5, N. J.

Materials Wanted

WILL PURCHASE your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. BOX 297, Oil, Paint and Drug Reporter.

DO NOT wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. BOX 298, Oil, Paint and Drug Reporter.

FOR SALE

1—Package Mach. Co. Cellophane Wrapper.
2—4 x 6' Atmospheric Drum Dryers.
1—No. 30 Day Imperial Mixer.
1—6 x 15' Allis Chalmers Tube Mill.
2—Colloid Mills requiring 40 hp. ach.
3—3-roll Mills: 9 x 24, 12 x 30, 16 x 40".
4—Lead Lined Tanks, 400-1000 gallons.
1—Blue Streak 20 hp. Hammer Mill.
1—No. 150 Kelly Filter.
2—Lard Rolls: 4 x 9' single, 2 x 5' double.
1—40" Tolhurst copper basket Centrifugal.
1—Roll Briquetting Machine.
1—26 x 24" Link Belt type A 2-roll Crusher.
2—No. 2 and No. 3 Austin Gyratory Crushers.

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

SPECIALS!

1—Shriver 18" Plate and Frame, Closed delivery Filter Press, 26 chambers.

2—Fletcher 40" Centrifugals, motor driven, bottom discharge, with Louis Allis 10 HP High Torque Motors, 3/60/220 volt.

2—6'x5' Jacketed Closed Pressure Kettles.

1—Shriver Diaphragm Pump, 45 gpm, 5 HP motor.

4—Oliver Rotary Filters, 5'x8', 8'x3½', 8'x8', 8'x11'.

5—Shriver and Independent 24", 36", 42" Wood Filter Presses.

1—Johnson 24" Plate and Frame, closed delivery Press, with 36 plates and frames, ½" cake.

29—Centrifugals, 32", 40", 48" steel, bronze baskets, motor driven, top. bottom discharge.

3—Hersey Rotary Dryers, 5'x30', 5'x21'.

2—Scott 4'x8' Vacuum Cookers.

1—Buffalo 24"x20" Vacuum Drum Dryer.

6—Rotary Dryers, 4'x30', 6'x42', 6'x60', 6'x65', 7'x74'.

1—Union Viscolizer, 100 gph.

1—Raymond Mill, No. 0000, ball bearing, with 15 HP motor.

2—Jeffrey Hammer Mills, 36"x24", 24"x18".

10—Abbe Pebble Mills, 30 to 200 gal.

3—Roller Mills, 9"x24", 12"x30".

4—Tyler Screens, 3'x5', 4'x5'.

1—Stokes Steel Vacuum Pan, 100 gal.

2—1750 gal. Lead Lined Pressure Tanks.

2—Jacketed Stills, 500 and 350 gal., with columns and condensers.

10—Condensers, 20 to 300 sq. ft.

4—Jacketed, Agitated Steel Kettles, 650, 600, 375 gal.

5—Jacketed, Closed Steel Receivers, 45, 60, 100 and 200 gal.

1—Copper Rotary Dryer, 6'x17'.

3—Sharples No. 6 Super Centrifuges, motor driven.

2—6' Buflovak Atmospheric Crystallizers.

Miscellaneous: Complete stocks pumps, tanks, filters, boilers, etc.

Partial List Only. Your Inquiries Solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.
225 West 34th Street
New York 1, N. Y.
BRyant 9-2040

Positions Vacant

FACTORY MANAGER wanted, one familiar with soap manufacturing for established plant in midwest. Complete charge of plant and production. Ability to handle employees and technical background in soap manufacturing required. Right man will receive substantial salary and permanent position. Apply giving full particulars of education and experience. BOX 262, Oil, Paint and Drug Reporter.

CHEMIST WANTED—Familiar with ampoule manufacturing. Ziegler Pharmacal Company, 500 Franklin street, Buffalo, N. Y.

FOR SALE

4—100 gallon WERNER & PFLEIDERER mixers
3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—Kent 9 in. x 22 in.-5 roller Hi ROLLER MILL
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

2—Batteries (9 and 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.

1—F. J. Stokes 8'x15' Rotary Vac. Dryer.
1—Raymond No. 10 Imp Mill, complete.
1—3 Roll High Side Raymond Mill, complete.
3—No. 0000 and No. 0 Raymond Mills.
1—Ertel 3 Spt. Vac. Bottle Filler.
1—Johnson 12" sq. Plate & Frame Iron Filter Press.
2—Bonnot 27" dia. Recessed Iron Filter Press.
6—Autoclaves, 200 to 1500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1600 gals.
2—75 & 1500 gal. lead lined closed Kettles.
1—Dopp 50 gal. Jacketed, Agitated Kettle.
5—20, 35 & 150 gal. Closed, Agitated, Jacketed Copper Kettles.
20—50 gal. Vert. Agitated Steel Tanks with Nettco Drives.
1—Single Punch Preform Tablet Machine, ⅛".
3—Ball & Jewell Rotary Cutters.
3—Homogenizers, 5 HP & 10 HP.
4—Watson-Stillman Hydr. Pumps.
1—25 gal. Ross Double Arm Heavy Duty Tilting Mixer.
6—Horizontal Mixers, 25 to 150 gals., Single & Double Arm.
1—Faust 150 gal. Jack. Spiral Mixer.
2—Coombs Gyratory Sifters, 1/3 & ¼ HP.
1—Schutz-O'Neill No. 3 Gyratory Sifter.
2—Robinson 20" M.D. Attrition Mills.
1—Howe Barrel & Bag Packer.
2—4000 gal. Vert. Acid Proof Tanks.
1—Nash No. 3 Vacuum Pump.
1—No. 3 Oliver 14"x8" Duplex Vacuum Pump.
1—Penn. Vac. Pump, 14"x5".
2—Worthington 12"x12"x12" Vacuum Pumps.
2—DeLaval Separators, Lab. size & No. 302.
2—DeLaval Multiple Clarifiers, Nos. 300 & 600, motor driven.
2—Ross 8 & 15 gal. Pony Mixers.
1—Ross 2 Roll Granite Stone Mill, 8"x12".
2—5 Roll water cooled 16"x40" Steel Roller Mills.
2—Ross 3 Roll Water Cooled 12"x30" & 16"x40" Steel Roller Mills.
3—Double Stand Steel 4 Roller Mills, 7"x18", 7½"x20" & 7½"x30" Rolls.
10—Pebble & Jar Mills, Lab. to 50 gal.
1—Tolhurst 40" Centrifugal.
8—Stone Mills, 8" to 32".
8—Lead & Paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
10—Steel Tanks, up to 4000 gal.
1—Schutz-O'Neill No. 1 Sugar Pulverizer.
2—Schutz-O'Neill 16" & 26" Pulverizers.
2—Double Roll Crushers.
2—Williams No. 2XX & No. 3 "Regular" type Hammer Mills.
10—Electric Agitators, ¼ to 2 HP.
20—Rotary, Centrif. & Triplex Pumps.
4—Gas Boilers, 1 to 10 HP.

●

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

●

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.

Positions Vacant

CHEMIST WANTED—Thoroughly acquainted with the textile specialty field. Must have thorough knowledge of manufacture of detergents, sulphonated oils, finishing compounds and specialty products. Salary, $6,500 for the right experienced man. BOX 281, Oil, Paint and Drug Reporter.

IMPORT HOUSE, old established, desirous of organizing new department, seeks services of man experienced in gums, spices, essential oils, etc., to assume full charge. Generous compensation to right person. State details, experience. Communications treated confidentially. BOX 274, Oil, Paint and Drug Reporter.

TEXTILE CHEMIST—Thoroughly experienced in the manufacture and development of chemical specialties used in the textile dyeing and printing industry. Must have a good knowledge of starches, finishes and detergents. This is an unusual opportunity for a practical man, who can supervise the manufacture of present formulations and develop new ones. BOX 279, Oil, Paint and Drug Reporter.

ASSISTANT to chief chemist familiar with varnishes and baking enamels. Excellent postwar future with progressive organization. Starting salary will depend on background. Outline qualifications and enclose photograph, to be returned. Indiana location. BOX 285, Oil, Paint and Drug Reporter.

CHEMIST, limited experience in oleo resinous industry or recent graduate. Excellent postwar opportunities. BOX 289, Oil, Paint and Drug Reporter.

PAINT FACTORY foreman wanted: Exceptional opportunity for experienced man. We also want an ambitious young man with some experience who is looking for a bright future in a modern paint factory. Replies treated confidential. BOX 294, Oil, Paint and Drug Reporter.

CHEMIST and pharmacist wanted for a position as superintendent of a long established pharmaceutical manufacturing company. This is a permanent position and a real opportunity for a man thoroughly trained and experienced in the manufacture of ethical pharmaceutical products. Give age, nationality, experience and education. Address application to George B. Ryland, 6315 Beacon street, Pittsburgh 17, Pa.

CHEMIST WANTED—Seeking man who has developed new products for postwar market, such as household cleaners, powder paints and similar specialties which can be marketed in powder form. Give full particulars regarding developments, background, remuneration, etc. BOX 296, Oil, Paint and Drug Reporter.

LIQUIDATING

1—500 gallon Devine High Pressure Autoclave.
1—Dopp Steam Jacketed Mixing Kettle.
5—Copper Steam Jacketed Mixing Kettles.
3—Paterson Silex Lined Pebble Mills.
1—Rubber Lined Tank.
2—1000 gallon Soap Kettles.
4—8000 gallon Steel Pressure Tanks.
75—Ton Cast iron Pipe, 8" to 18".
2—Bird Bronze Centrifuges.
2—Truck Dryers.
4—Permutit Water Softeners.
2—Elwell Parker Electric Trucks.
1—500 gal. Steam Jacketed Copper Kettle.
4—H & T Water Filters 8' x 20'.

Pumps, Boilers, Generators.

REPUBLIC TEXTILE EQUIPMENT CO.
40 Worth Street New York 13, N.Y.
Phone COrtlandt 7-1591

KETTLES

1—6' x 8' Vertical Steel Riveted Removable Cover—1600 Gals.
1—6'-9" x 9' Vertical Cast Iron Pipe Coils, Agitator & Drive—2500 Gals.
2—4' x 4'-6" Vertical Cast Iron Agitator & Drive—400 Gals.
1—8' x 10' Vertical Cast Iron Agitator & Drive—3000 Gals.
1—4' x 4' Vertical—Cast Iron Agitator & Drive—400 Gals.
1—3'-6" x 5' Vertical—Steel Welded Lead Lined Agitator—350 Gals.
1—4'-8" x 3' Vertical—Steel Welded Agitator & Drive, 350 Gals.
1—3'-6" x 5' Vertical Cast Steel Jacketed, 350 Gals.

●

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

Positions Vacant

CHEMIST, expert on sterols (hormones) capable of immediate production. Very attractive proposition for right man. BOX 291, Oil, Paint and Drug Reporter.

Positions Wanted

DRUG PLANT manager—Experienced equipment layout, installation, operation. Packaging, warehousing, shipping, personnel. Crude drugs, extracts, insecticides, gums, stock and poultry remedies, specialties, etc. Familiar sources of supply and sale. BOX 269, Oil, Paint and Drug Reporter.

LITHO-PLANT MANAGER. Chemist with years of experience in the lithograph and printing ink fields, will manufacture your own ink, if desired, on a cost-plus plan. All color formulas, laketine, etc., were developed on the offset press and are available including the leadership of an executive capable of assuming responsibility and control of all plant operations. BOX 282, Oil, Paint and Drug Reporter.

CHEMIST-BACTERIOLOGIST — Young able executive, experienced in plant management, production, research, advertising, sales, and distribution of pharmaceuticals, biologicals, chemicals, penicillin, etc. Expert in new product development and distribution. BOX 283, Oil, Paint and Drug Reporter.

EXPORT EXECUTIVE — Over twenty years experience in every phase of export in the U. S. and abroad. Excellent record of accomplishment, fluent in the principal commercial languages, widely traveled, thoroughly competent and reliable. Available to progressive organization to establish export department or as foreign representative. BOX 284, Oil, Paint and Drug Reporter.

CHEMIST — Pharmacist, female, degree. Experienced in production of alkaloids, organic chemicals and in experimental organic chemistry. Would preferably like to leave production and go into business side of drug firm. BOX 286, Oil, Paint and Drug Reporter.

SALES POSITION wanted by chemically technically trained man well acquainted industrial chemicals, etc., colors, soaps, oils, drugs, raw materials, with established trade, large following New York, New Jersey and Connecticut. BOX 287, Oil, Paint and Drug Reporter.

CHEMIST and engineer. Graduate, American, age 35, married, draft deferred. Thirteen years extensive experience. Brilliant achievement record. Recently employed research, production capacity with nationally known organization. Complete coverage all phases of chemical specialty industry including emulsions, polishes, waxes, synthetic disinfectants, soaps, detergents, lacquers, automobile chemicals, protective creams, special war chemical products, cosmetics. Also experienced technical sales development. Interested permanent association with progressive chemical company. Highest references. BOX 288, Oil, Paint and Drug Reporter.

Products Wanted

OLD ESTABLISHED firm, medium size, manufacturing chemicals and specialties, having plants with railroad sidings in east and middlewest, interested in manufacturing additional products, bulk products preferred. Plants have large mixing and storage facilities. BOX 263, Oil, Paint and Drug Reporter.

MOVING

On and after August 15, 1944, we will be located in our own building at
533 WEST BROADWAY
NEW YORK 12, N.Y.

Send for your copy of Bulletin "R" for complete list of offerings.

●

SPECIALS

A. O. Smith Jack. & Ag. Autoclave 500 Gals.
W & P Jack. Mixer 3½ Gals.
Ceramic Vac. Filters 25 & 50 Gals.
Shriver Diaphragm Pump 100 GPM
W & P 525 Gals. Vissolver with Ag.
Stokes T Tablet Machine 1½" dia.
Kux Lohner Rotary Tab. Mach. 1" dia.
Shriver Wd Plate & Frame Press 24".
Abbe Silex Lined Pebble Mill 300 Gals.

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
59 E. 4th Street, New York 3, N.Y.

Botanical Drugs

—*Continued from page 62*

Seeds

Anise. — Recleaned Mexican seed came for a lively consuming request but by the close of the week, prices showed the result of competition by occupying the lower position of 18½c. to 19c. per pound.

Caraway.—The high cost of this article when available tends to expand the interest of consumers whenever dill seed is offered for replacement.

Celery.—Indian seed was higher at 19½c. to 20c. per pound, while goods for later delivery were priced at 19¾c. minimum.

Dill.—Some stocks have reached a nearby point and have been sent to the barber for dewhiskering. There is a lively interest shown in seed denuded of its hirsute adornment.

Fenugreek.—The price for domestic material was a shade lower at 18c. to 18½c. per pound.

Mustard. — Reports from Montana tell of drought and damage to the growing mustard crop. How extensive the damage is is hard to learn since the cultivation area equals the State of New York in square miles.

Spices

Allspice.—Spice at Laredo, Texas was priced lower at 17c. to 17½c. per pound.

Cassia.—As rare as radium and purely nominal until the Dutch East Indies shall be liberated, and China cleared of the Nips.

Ginger.—No further rise in Jamaica ginger prices but they retain much strength.

Paprika.—Choice quality Portuguese pepper was shaded to 38½c. to 39c. per pound; extra fancy, down to 37¾c. to 38¼c.; good, unchanged at 36c. to 37c. Fancy Spanish was lowered to 43c. to 44c. Good quality Chilean, down to 26½c. to 27c.

Pepper.—The court in the District of Columbia that has had the request of the government for a summary judgment to permit it to seize some 6,500,000 pounds of black pepper for distribution as it deems necessary to both the armed forces and to civilians has denied the request insofar as it applied to pepper for civilians. It is believed that the War Food Administration will appeal the decision which involves a policy of government far broader than the immediate one of black pepper. It is felt that now, more than ever, will it be increasingly difficult to persuade the government to grant a higher price ceiling on black pepper which is now being held from the market mainly because to sell at 6c. per pound, the present ceiling, will involve the owners in a loss of about 3c. per pound.

N.Y. Oil Trades Outing August 29

New York Oil Trades Association will hold its twenty-ninth annual sports outing at the Pelham Country Club, Pelham Manor, N. Y., August 29. Reservations will be in charge of Rudolf G. Sonneborn, L. Sonneborn Sons, 88 Lexington avenue, New York.

VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD ST. PHILADELPHIA 47, PA.

Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

GUMS
WHOLE AND POWDERED
TRAGACANTH ★ ARABIC
KARAYA (Indian Gum) ★ LOCUST BEAN
FRANK-VLIET CO., INC.
160 Water St., New York 7, N. Y.

SODECO TRADING CORP.
IMPORTERS EXPORTERS
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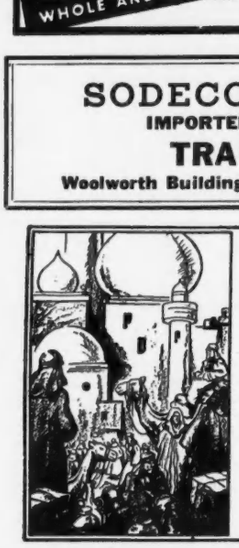
Woolworth Building Phone CO 7-6153 New York 7, N. Y.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Current Market Quotations

—*Continued from page 31*

Zinc borate, bgs., c.l.	lb.	.12 -	—
l.c.l.	lb.	.12½-	—
Carbonate, tech., bbls.	lb.	.14 -	.20
USP, precip., powd., bbls.	lb.	.35 -	—
drms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, drms., c.l., works	100 lbs.	5.00 -	—
l.c.l., works	100 lbs.	5.35 -	—
grand., drms., c.l., works	100 lbs.	5.75 -	—
l.c.l., works	100 lbs.	6.50 -	—
USP, drms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
solution, 50%, drms., c.l., works	lb.	.0315-	—
l.c.l., works	lb.	.04¼-	.04¼
tanks, works	lb.	.0250-	—
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works	lb.	.33 -	.37
Dust,[6] bbls., c.l., dlvd.	lb.	.1035-	—
l.c.l., works	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Iodide, NF, bots.	lb.	4.54 -	—
jars	lb.	4.40 -	—
Metal,[1,2,5] (quotations in Paint Market report).			
Naphthenate, 8%-10% Zn, 50-gal. drms.	lb.	.16 -	.19¼
Laurate, bbls.	lb.	.32 -	.33
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
American process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
35% or more, bgs., c.l., dlvd.	lb.	.07 -	—
l.c.l., dlvd.	lb.	.07¼-	—
French process, com'l, lead free,[6] bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd.	lb.	.07½-	—
green seal, bgs., c.l., dlvd.	lb.	.09 -	—
l.c.l., dlvd.	lb.	.09¼-	—
red seal, bgs., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.08¾-	—
white seal, bgs., c.l., dlvd.	lb.	.09½-	—
l.c.l., dlvd.	lb.	.09¾-	—
USP,[6] 50-lb. ctns., c.l.	lb.	.10½-	—
l.c.l.	lb.	.10¾-	—
Zinc oxide in bbls., ¼c. higher; Pac. cst., c.l., dlvd., and l.c.l. ex whse., ½c. higher.			
Resinate, 8.7% Zn, 100-lb. drms.	lb.	.14½-	—
fused, pale, bbls.	lb.	.11 -	.12
precipitated, drms., dlvd.	lb.	.15 -	—
Silicofluoride, bbls.	lb.	.15 -	.18
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	—
ton lots, frt. equald.	lb.	.30 -	—
smaller lots, frt. equald.	lb.	.31 -	—
USP (same prices as tech.).			
Sulphate, cryst., bgs., c.l.	100 lbs.	3.60 -	—
l.c.l.	100 lbs.	4.35 -	—
flake, bgs., c.l.	100 lbs.	4.10 -	—
l.c.l.	100 lbs.	4.85 -	—
powd., bgs., c.l.	100 lbs.	5.80 -	—
l.c.l.	100 lbs.	6.55 -	—
Zinc sulphate in bbls., 25c. higher.			
Sulphide,[1,5] pure, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd.	lb.	.08¼-	—
bbls., c.l., dlvd.	lb.	.08½-	—
l.c.l., dlvd.	lb.	.09¾-	—
barium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
fluorescent, pigment, works, frt. alld.	lb.	.90 -	1.00
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06 -	—
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.			
Sulphocarbolate, NF, bbls., drms.	lb.	.28 -	.31
Tallate, 5% Zn, 50-gal. drms.	lb.	.09¾-	—
Yellow (see Yellow, zinc).			
Zinc-ammonia chloride, drms., c.l., works	100 lbs.	5.65 -	—
l.c.l., works	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.50 -	2.85
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd. E. of Rockies.	lb.	.06¼-	—
dlvd. Pac. cst.	lb.	.06½-	—
Zirconium hydride, cns., works.	lb.	7.00 -	8.00
Nitrate, kgs., works	lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works	ton	75.00 -	100.00
white, 98%, grd., kgs., works.	lb.	1.80 -	2.00
ex whse., Pac. cst.	lb.	.07 -	—

Plastic, Coldwater Paint, Calcimine Sales: June

Sales of plastic and coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census, for June, 1944, compared with the totals for the corresponding month of 1943:—

Plastic Paints

	Pounds	Value
*Total	534,071	$37,406

* Includes paste and dry powder plastic paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	1,969,744	$141,423
casein-bound	427,917	26,362
Interior, casein-bound paste or semi-paste form	*463,594	537,873
dry-powder form	856,374	74,956

* Gallons.

Calcimines

Hot-water	1,260,359	$55,356
Cold-water	1,394,501	68,631

Sales of these products for June, 1944, compared with those for June, 1943, were as follows:—

	1944	1943
Plastic paints, lbs.	534,071	856,202
value	$37,406	$41,098
Cold-water paints, value	$790,062	$780,513
Calcimines, lbs.	2,654,860	3,228,975
value	$123,987	$156,732

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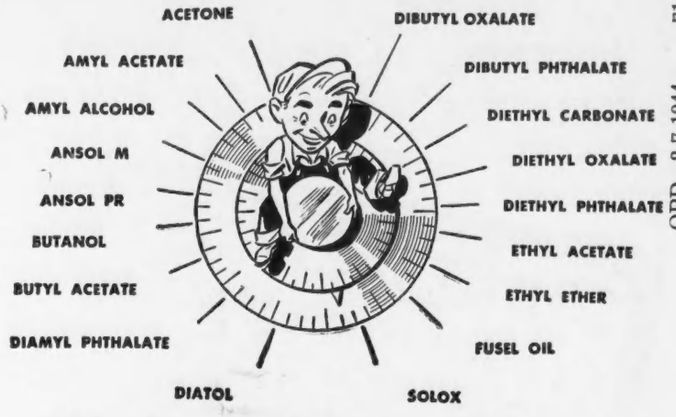

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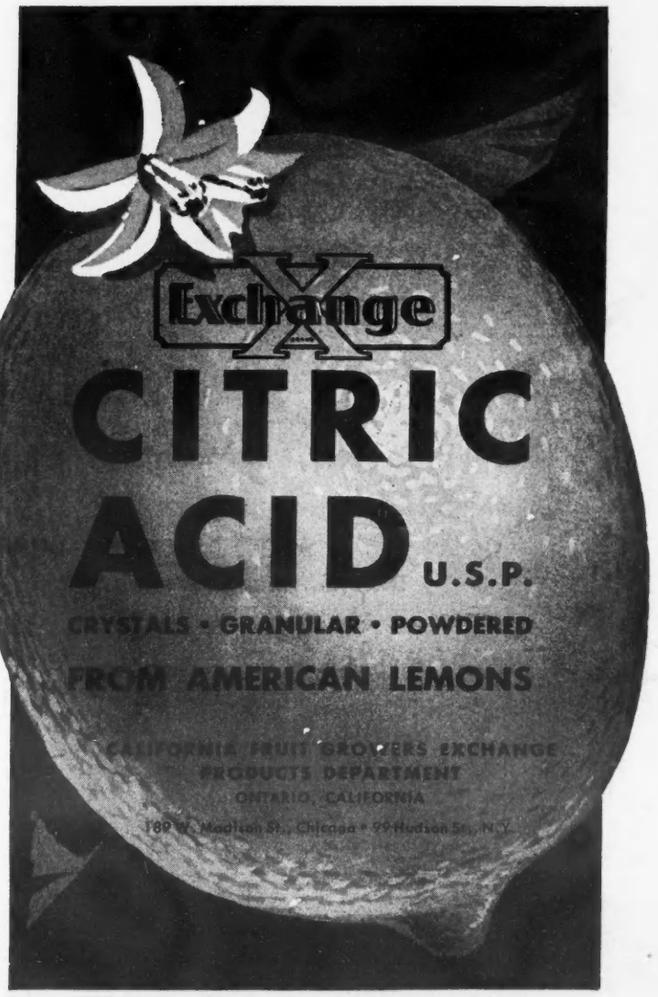

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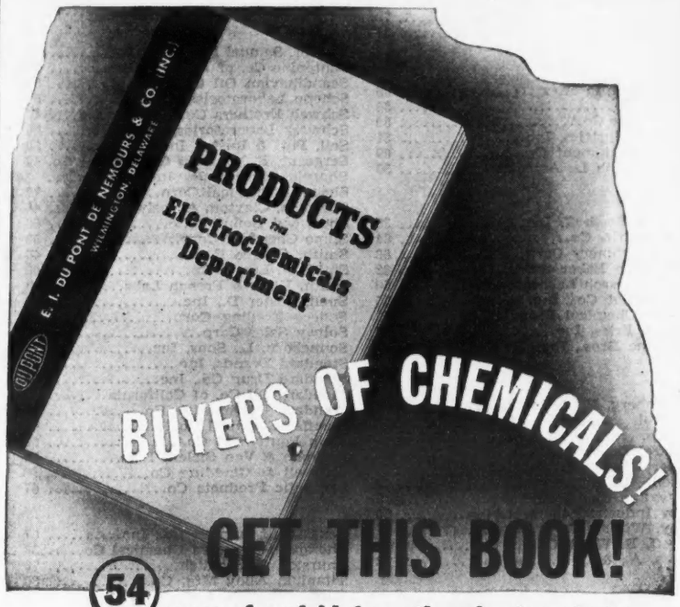

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